

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052875.D
 Acq On : 13 Dec 2018 20:01
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:03:21 AM

Quant Time: Dec 14 03:20:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1078893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1661664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1483034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	698521	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	563292	49.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.20%	
35) Dibromofluoromethane	7.59	113	466828	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
50) Toluene-d8	10.09	98	2043648	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.40	95	696837	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	535599	48.225	ug/l	99
3) Chloromethane	2.06	50	633702	47.541	ug/l	100
4) Vinyl Chloride	2.19	62	656480	49.228	ug/l	99
5) Bromomethane	2.57	94	397376	48.312	ug/l	99
6) Chloroethane	2.71	64	387224	49.125	ug/l	100
7) Trichlorofluoromethane	3.02	101	813101	49.180	ug/l	99
8) Diethyl Ether	3.41	74	312883	51.879	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	498380	48.638	ug/l	98
10) Methyl Iodide	3.96	142	730889	50.933	ug/l	100
11) Tert butyl alcohol	4.77	59	152184	237.421	ug/l	98
12) 1,1-Dichloroethene	3.74	96	497572	50.162	ug/l	99
13) Acrolein	3.61	56	150771	249.830	ug/l	99
14) Allyl chloride	4.33	41	816160	50.375	ug/l	95
15) Acrylonitrile	4.99	53	893690	248.523	ug/l	98
16) Acetone	3.82	43	570416	221.395	ug/l	97
17) Carbon Disulfide	4.06	76	1435663	47.114	ug/l	100
18) Methyl Acetate	4.33	43	461339	48.790	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1361220	50.549	ug/l	99
20) Methylene Chloride	4.55	84	555801	47.936	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	526635	49.005	ug/l	99
22) Diisopropyl ether	5.95	45	1724473	49.892	ug/l	99
23) Vinyl Acetate	5.90	43	5129640	249.412	ug/l	99
24) 1,1-Dichloroethane	5.85	63	996961	50.018	ug/l	99
25) 2-Butanone	6.83	43	945609	236.535	ug/l	97
26) 2,2-Dichloropropane	6.83	77	684542	46.636	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	611478	50.134	ug/l	99
28) Bromochloromethane	7.20	49	450334	50.314	ug/l	98
29) Tetrahydrofuran	7.21	42	668244	244.848	ug/l	99
30) Chloroform	7.37	83	972705	50.044	ug/l	100
31) Cyclohexane	7.65	56	924393	47.523	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	812393	49.955	ug/l	100
36) 1,1-Dichloropropene	7.80	75	766188	50.072	ug/l	100
37) Ethyl Acetate	6.93	43	451969	49.168	ug/l	98
38) Carbon Tetrachloride	7.78	117	707712	50.248	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	914789	48.717	ug/l	99
40) Benzene	8.04	78	2295017	49.972	ug/l	100
41) Methacrylonitrile	7.17	41	264571	51.946	ug/l	94
42) 1,2-Dichloroethane	8.12	62	686423	49.646	ug/l	99
43) Isopropyl Acetate	8.16	43	854119	45.319	ug/l	100
44) Trichloroethene	8.84	130	616929	49.732	ug/l	99
45) 1,2-Dichloropropane	9.12	63	600557	49.925	ug/l	98
46) Dibromomethane	9.21	93	345510	49.526	ug/l	98
47) Bromodichloromethane	9.40	83	731136	50.539	ug/l	99
48) Methyl methacrylate	9.20	41	423296	51.215	ug/l	99
49) 1,4-Dioxane	9.20	88	95227	1015.039	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2176972	251.905	ug/l	100
52) Toluene	10.16	92	1412976	50.798	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	741264	50.920	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	878993	50.671	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	497936	50.148	ug/l	99
56) Ethyl methacrylate	10.43	69	663381	52.059	ug/l	99
57) 1,3-Dichloropropane	10.71	76	857465	50.358	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1836924	258.350	ug/l	99
59) 2-Hexanone	10.75	43	1451426	245.068	ug/l	100
60) Dibromochloromethane	10.90	129	549119	51.170	ug/l	100
61) 1,2-Dibromoethane	11.01	107	494426	50.375	ug/l	99
64) Tetrachloroethene	10.63	164	638828	50.119	ug/l	98
65) Chlorobenzene	11.44	112	1555729	50.564	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	541911	50.643	ug/l	100
67) Ethyl Benzene	11.51	91	2684590	50.809	ug/l	100
68) m/p-Xylenes	11.62	106	2026985	102.167	ug/l	100
69) o-Xylene	11.95	106	992743	51.243	ug/l	100
70) Styrene	11.96	104	1633983	52.467	ug/l	99
71) Bromoform	12.13	173	367941	50.613	ug/l #	100
73) Isopropylbenzene	12.25	105	2622367	50.281	ug/l	100
74) N-amyl acetate	12.07	43	718474	50.178	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	565503	48.381	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	490989m	47.642	ug/l	
77) Bromobenzene	12.53	156	665129	50.141	ug/l	100
78) n-propylbenzene	12.59	91	3005499	50.529	ug/l	99
79) 2-Chlorotoluene	12.68	91	1751497	49.809	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2127423	50.531	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	159127	49.602	ug/l	99
82) 4-Chlorotoluene	12.77	91	1798251	50.016	ug/l	100
83) tert-Butylbenzene	12.99	119	1860597	50.098	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2146428	50.360	ug/l	100
85) sec-Butylbenzene	13.17	105	2524010	50.183	ug/l	100
86) p-Isopropyltoluene	13.29	119	2196852	50.415	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1172865	49.754	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1154712	49.463	ug/l	99
89) n-Butylbenzene	13.62	91	1841021	50.186	ug/l	100
90) Hexachloroethane	13.88	117	361390	49.528	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1123025	49.525	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86992	49.373	ug/l	100

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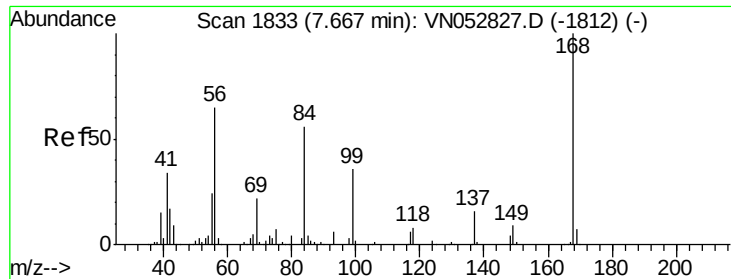
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	631401	51.224	ug/l	99
94) Hexachlorobutadiene	15.01	225	342249	47.970	ug/l	99
95) Naphthalene	15.13	128	1326152	51.946	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	577357	51.047	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 1078893

Ion Ratio Lower Upper

168 100

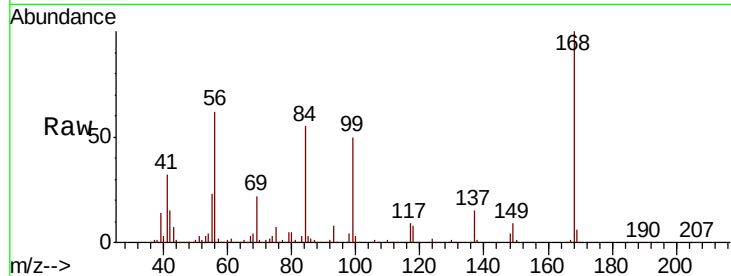
99 49.8 40.2 60.2

Manual Integrations

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MMDadoda

12/14/2018 9:03:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

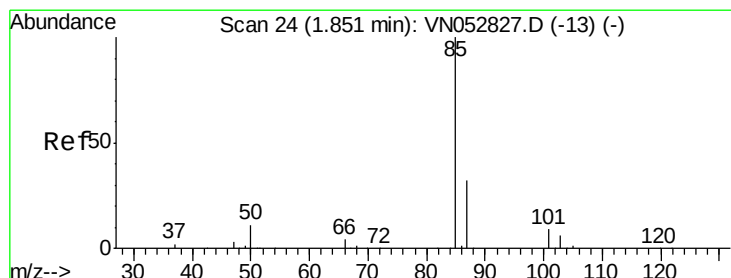
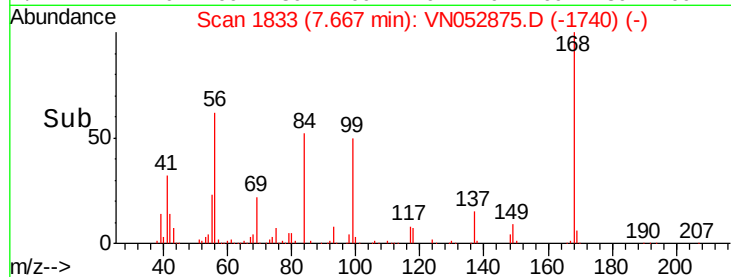
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 48.225 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052875.D

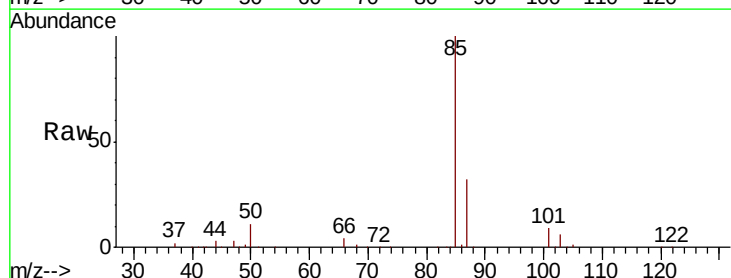
Acq: 13 Dec 2018 20:01

Tgt Ion: 85 Resp: 535599

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

300000

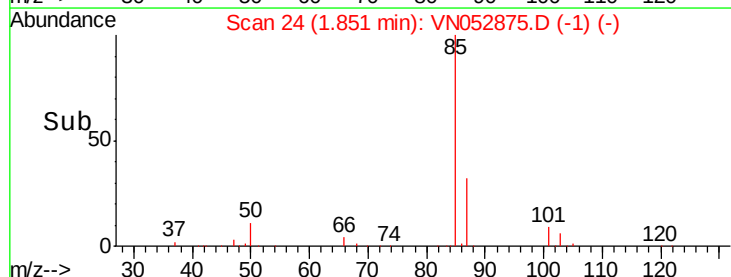
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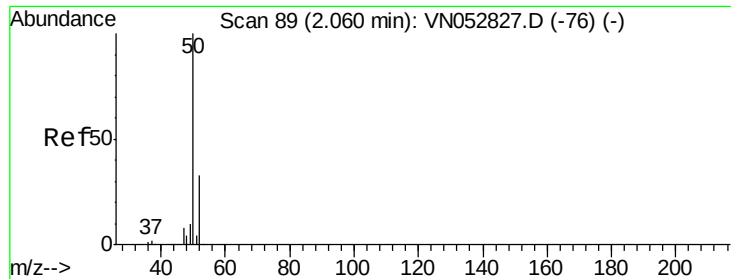
100000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 47.541 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 633702

Ion Ratio Lower Upper

50 100

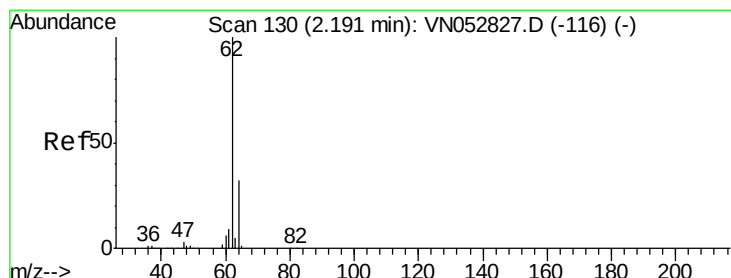
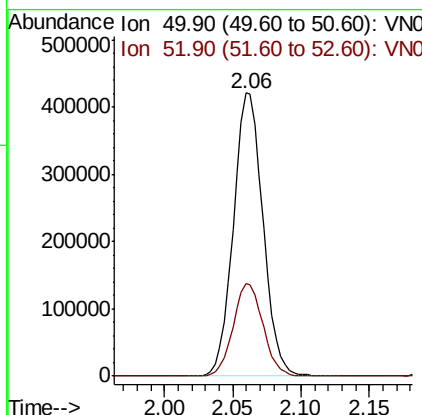
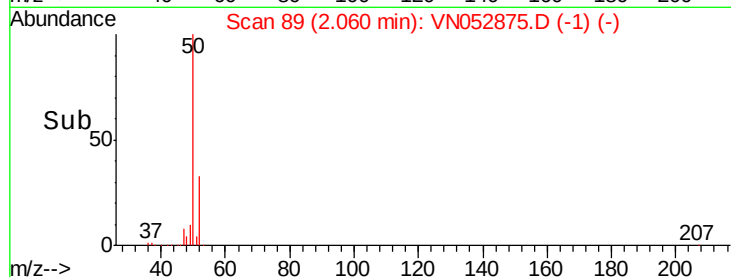
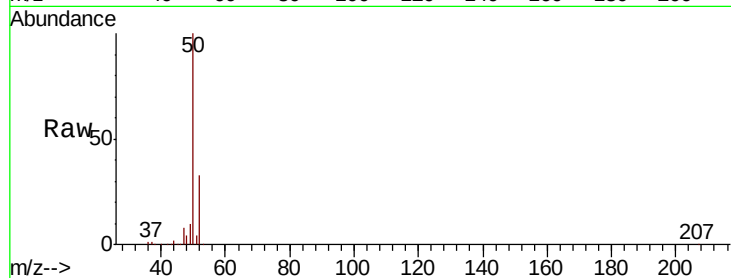
52 32.7 26.2 39.4

Manual Integrations

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12/14/2018 9:03:21 AM



#4

Vinyl Chloride

Concen: 49.228 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052875.D

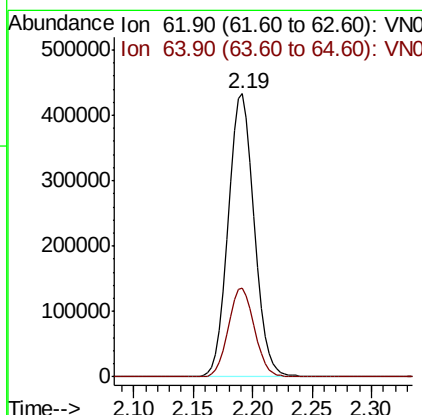
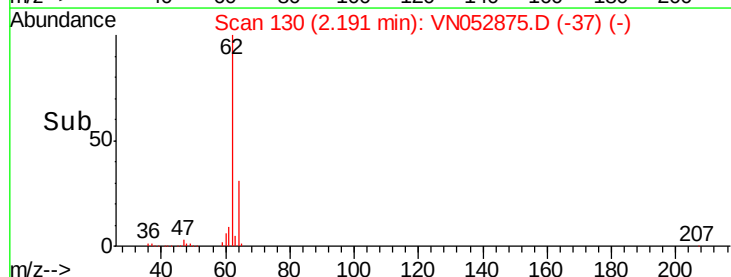
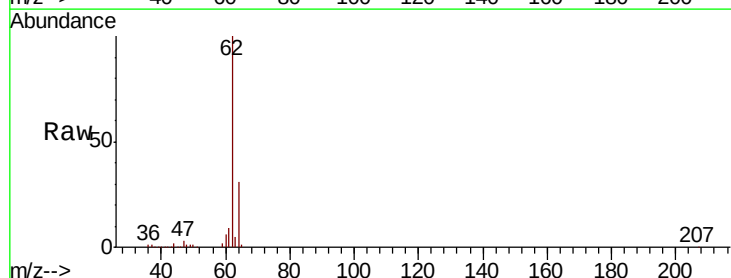
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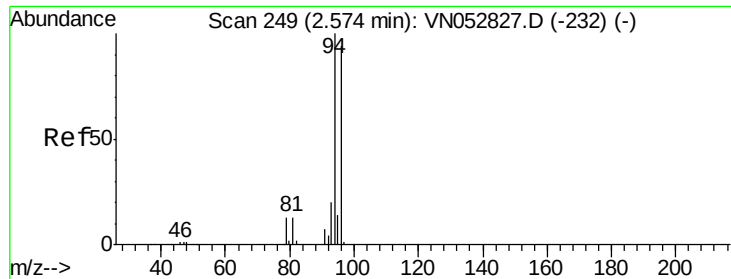
Tgt Ion: 62 Resp: 656480

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 48.312 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 397376

Ion Ratio Lower Upper

94 100

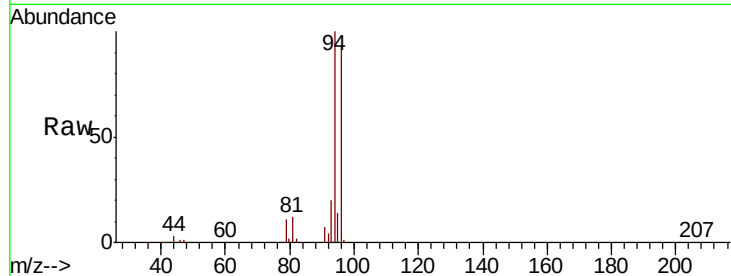
96 92.7 75.0 112.4

Manual Integrations

APPROVED

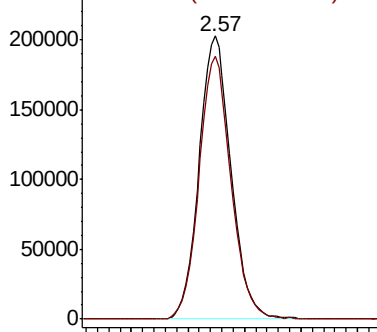
MMDadoda

12/14/2018 9:03:21 AM

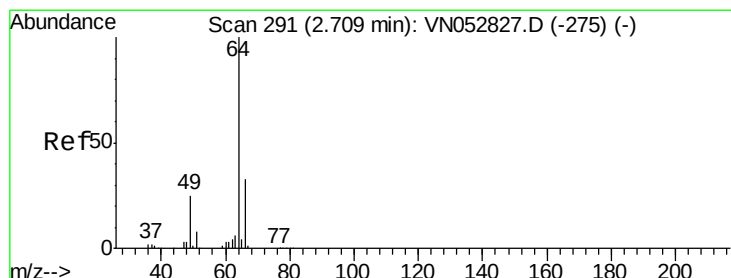
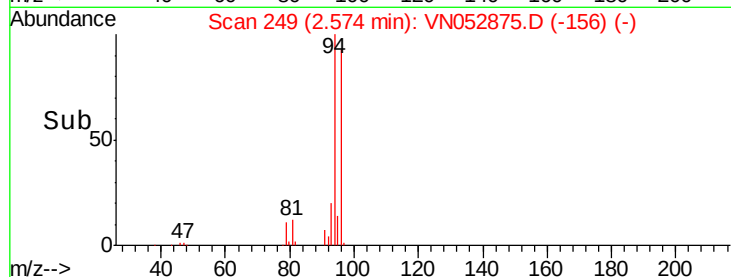


Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



Time-->



#6

Chloroethane

Concen: 49.125 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052875.D

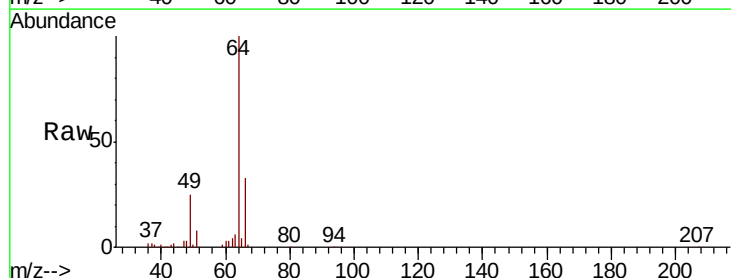
Acq: 13 Dec 2018 20:01

Tgt Ion: 64 Resp: 387224

Ion Ratio Lower Upper

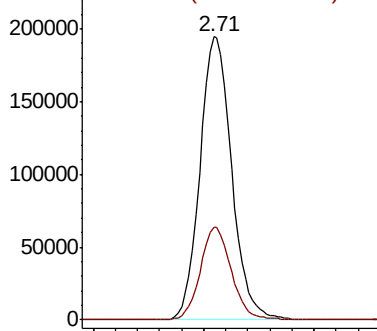
64 100

66 32.9 26.2 39.2

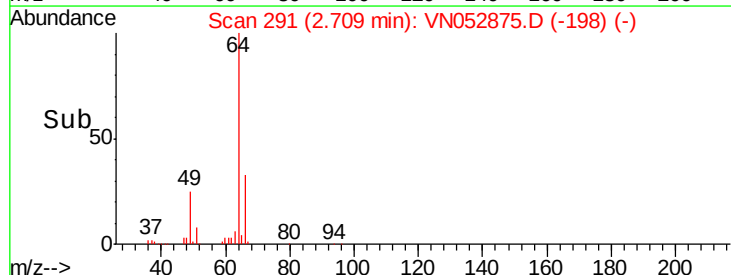


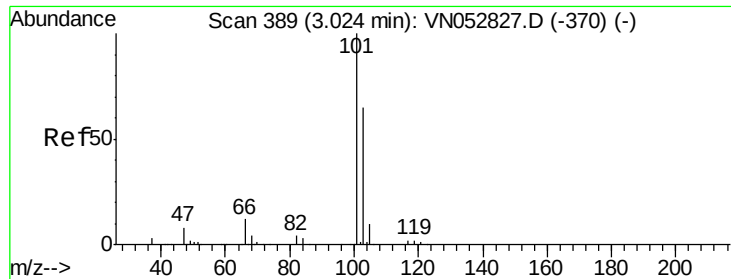
Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



Time-->





#7

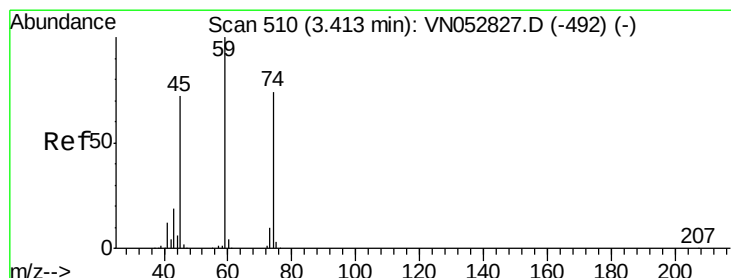
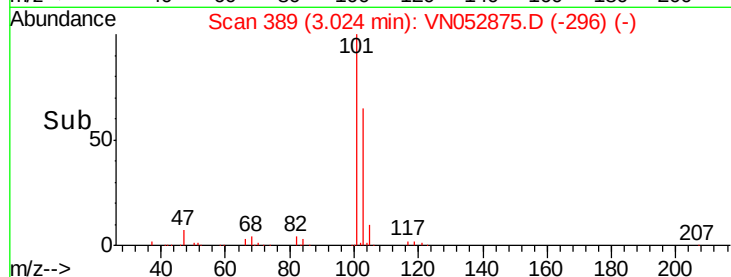
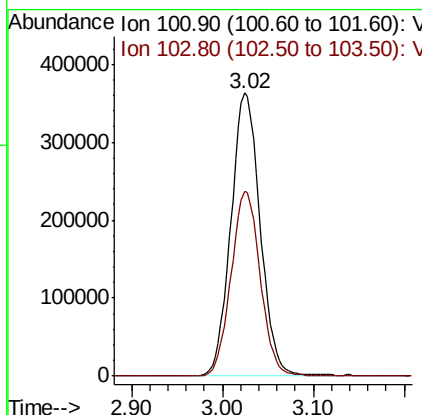
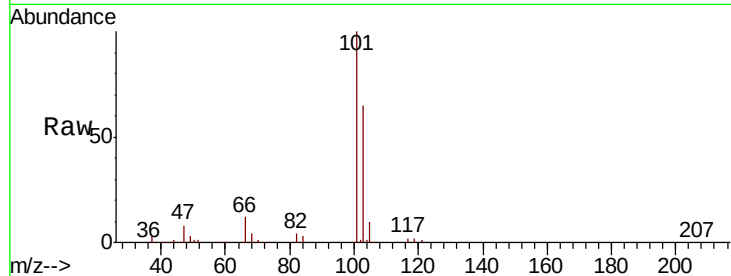
Trichlorofluoromethane
 Concen: 49.180 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.8	77.6

Manual Integrations
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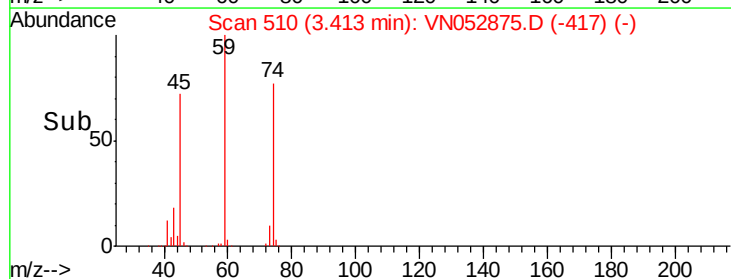
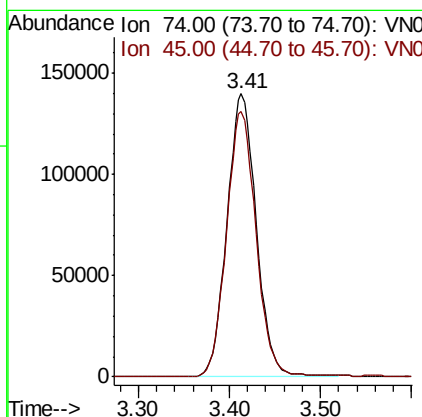
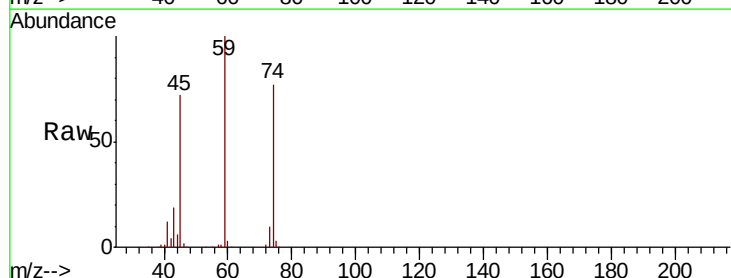
MMDadoda
 12/14/2018 9:03:21 AM

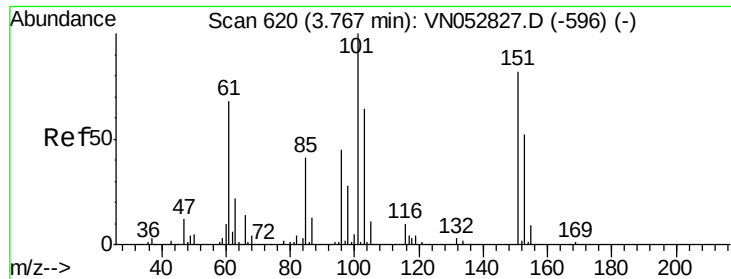


#8

Diethyl Ether
 Concen: 51.879 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.9	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.638 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052875.D

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Instrument :

MSVOA_N

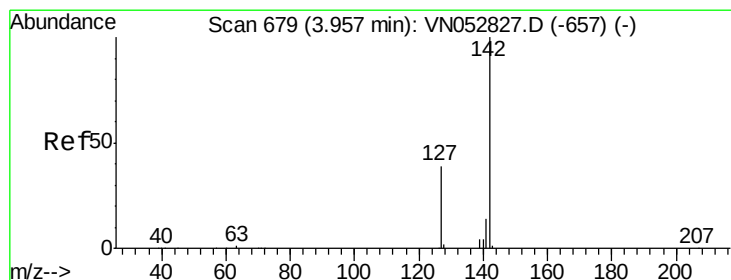
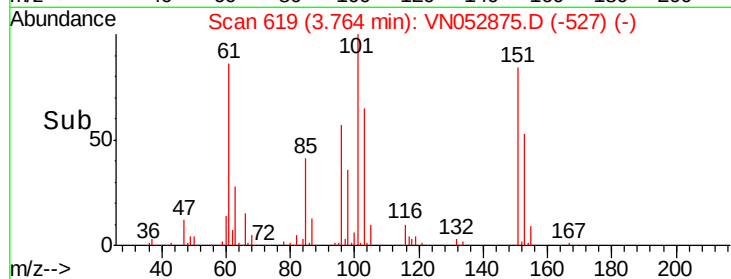
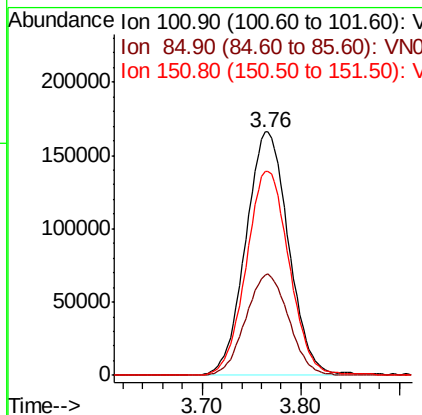
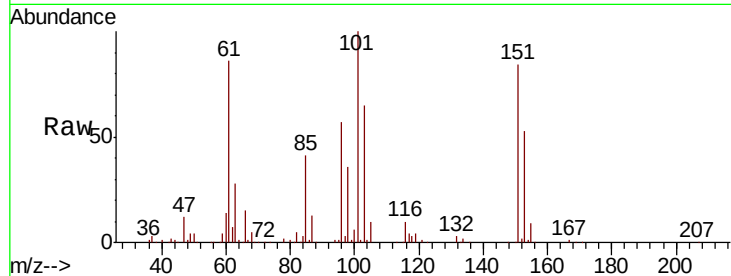
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	498380
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.6	50.4
151	84.0	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 50.933 ug/l

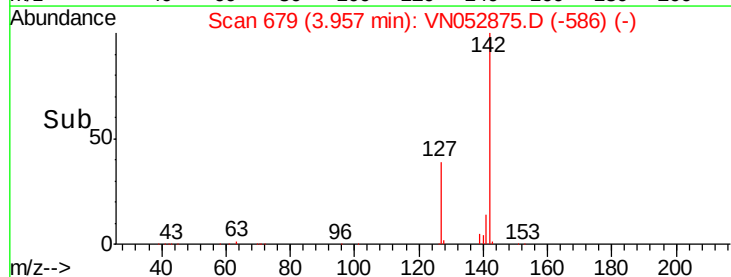
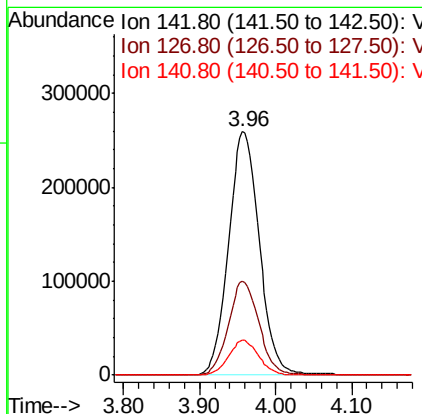
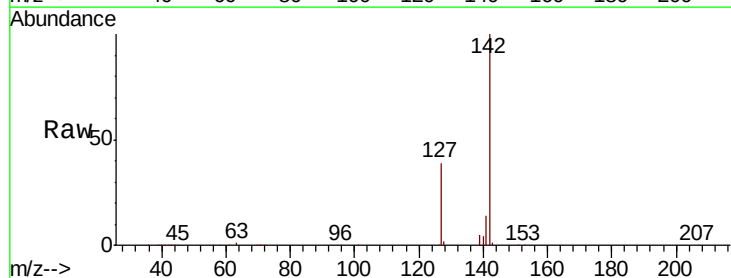
RT: 3.96 min Scan# 679

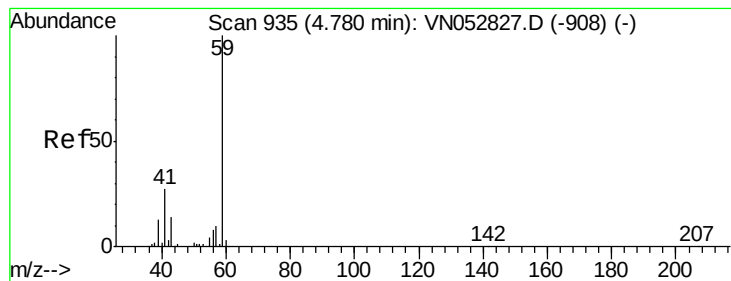
Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Tgt Ion:	142	Resp:	730889
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.6
141	14.0	11.2	16.8





#11

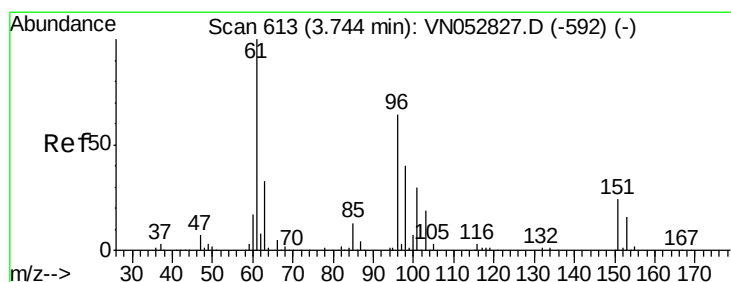
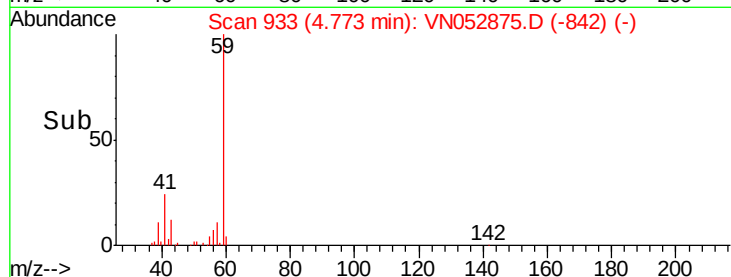
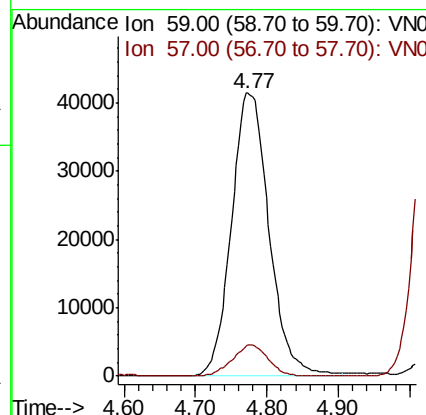
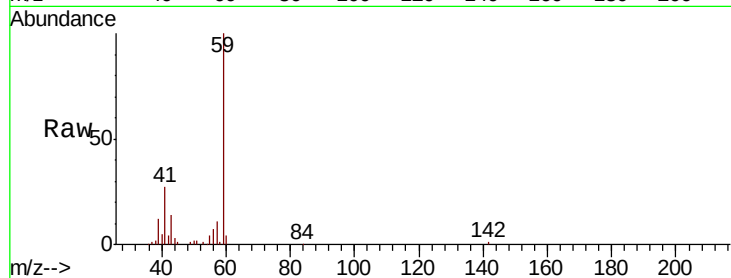
Tert butyl alcohol
 Concen: 237.421 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.7	11.5

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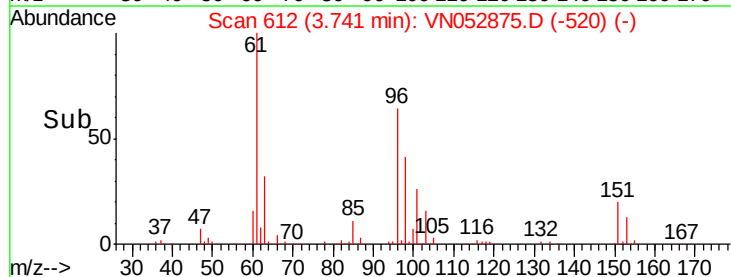
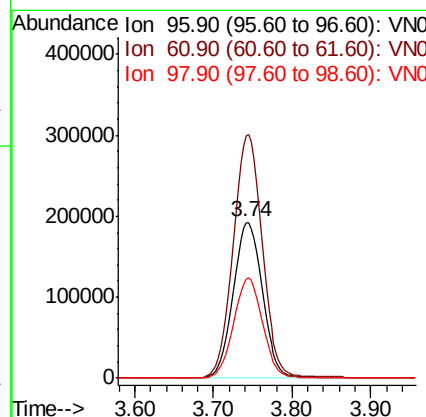
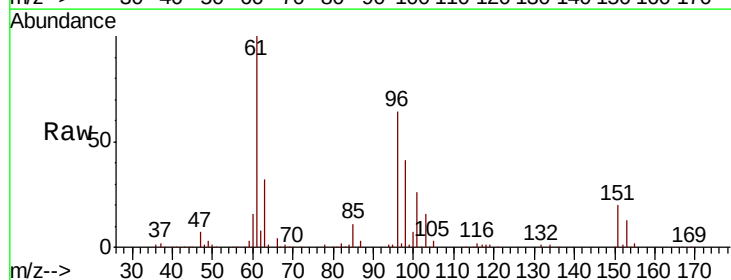
MMDadoda
 12/14/2018 9:03:21 AM

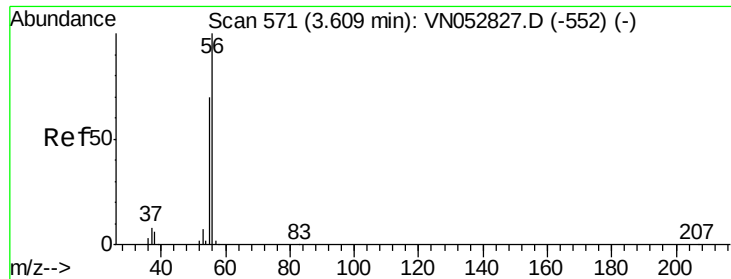


#12

1,1-Dichloroethene
 Concen: 50.162 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	125.6	188.4
98	63.3	50.6	75.8





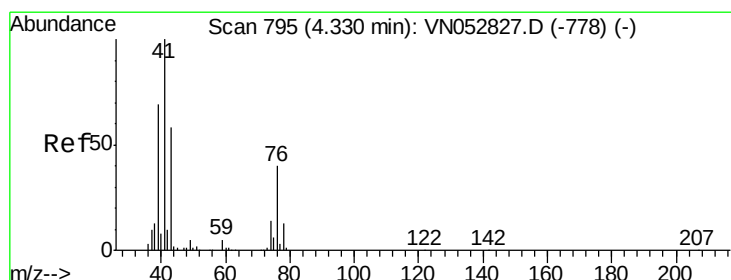
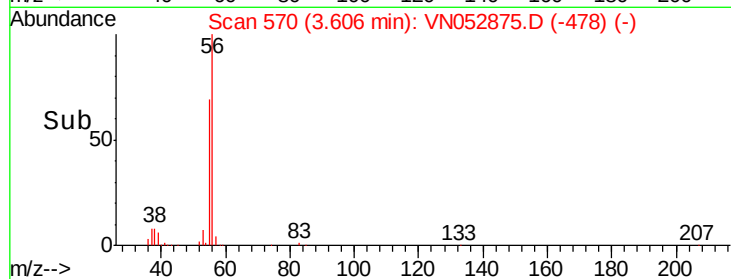
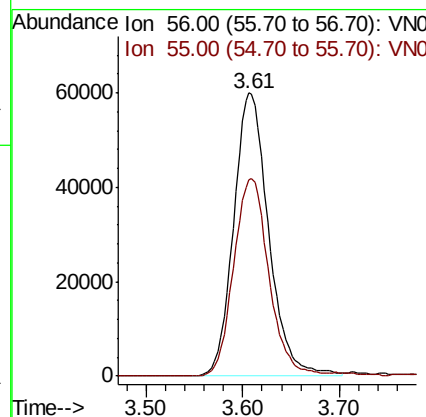
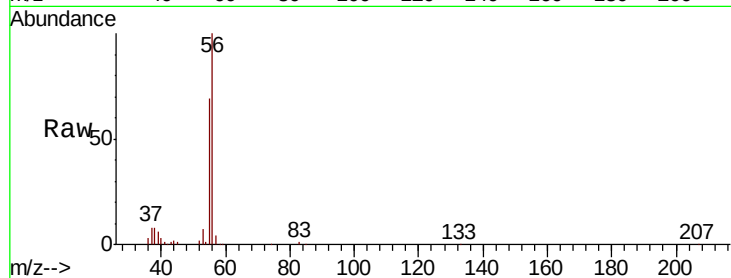
#13
Acrolein
Concen: 249.830 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	150771
Ion Ratio	Lower	Upper	
56	100		
55	70.3	56.6	85.0

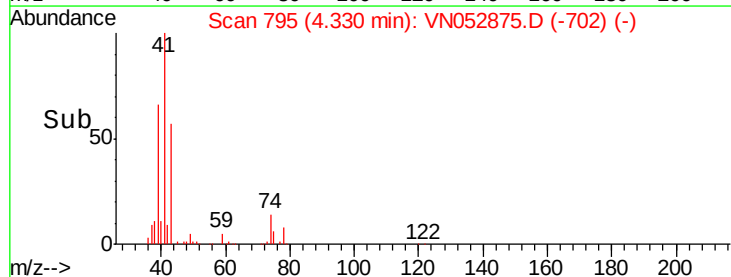
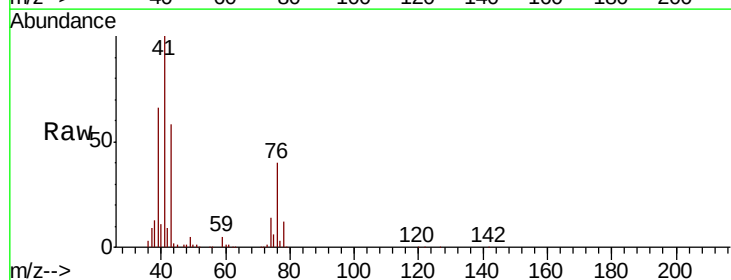
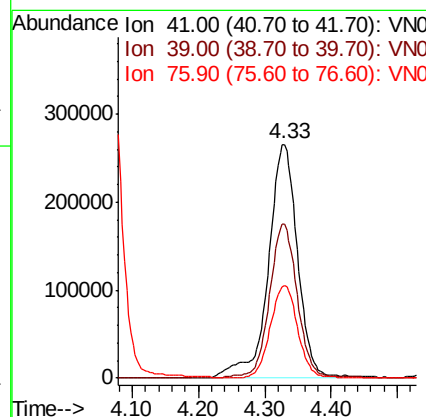
Manual Integrations
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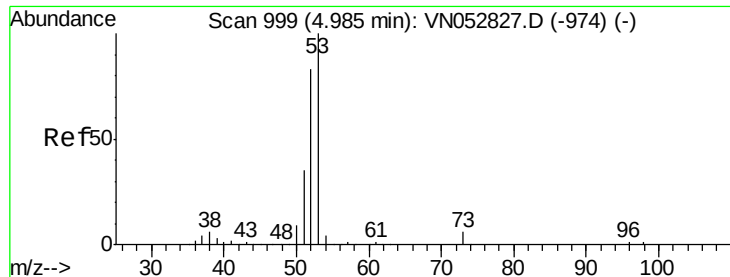
MMDadoda
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#14
Allyl chloride
Concen: 50.375 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	41	Resp	816160
Ion Ratio	Lower	Upper	
41	100		
39	63.0	54.1	81.1
76	36.4	30.3	45.5





#15

Acrylonitrile

Concen: 248.523 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

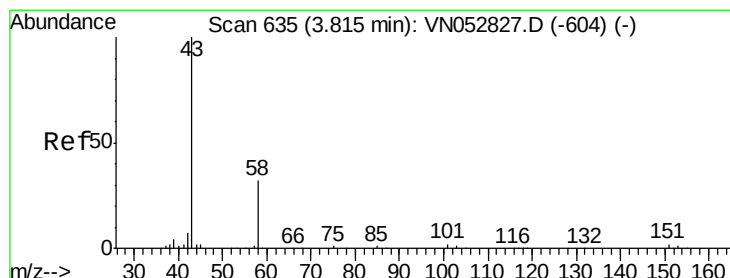
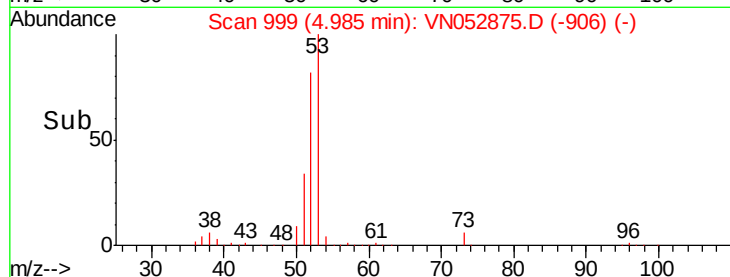
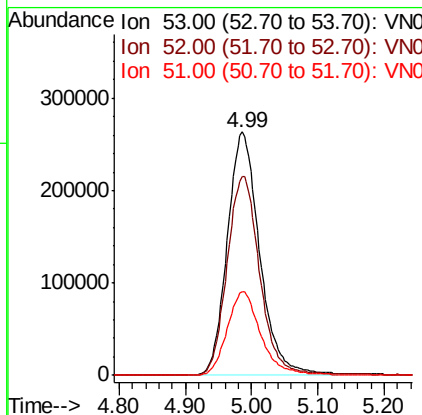
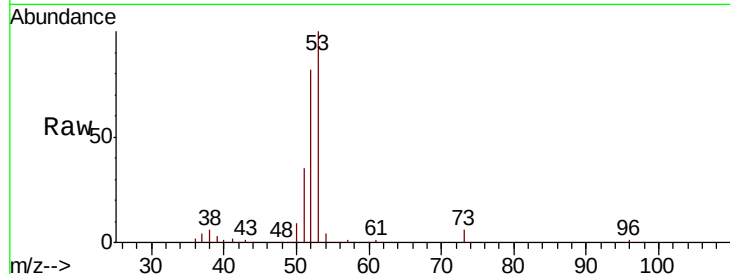
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	893690
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.1	97.7
51	35.8	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 221.395 ug/l

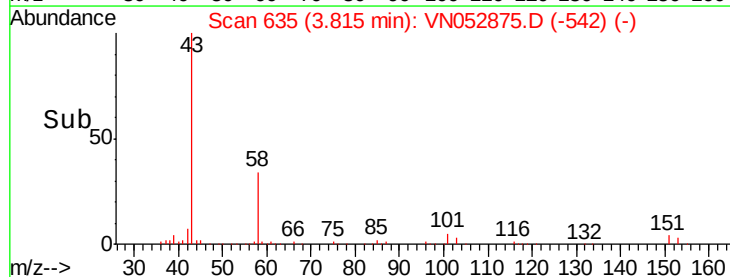
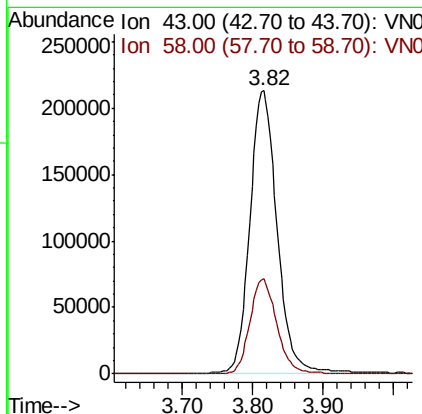
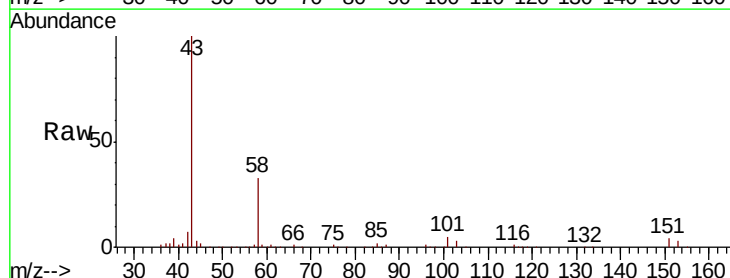
RT: 3.82 min Scan# 635

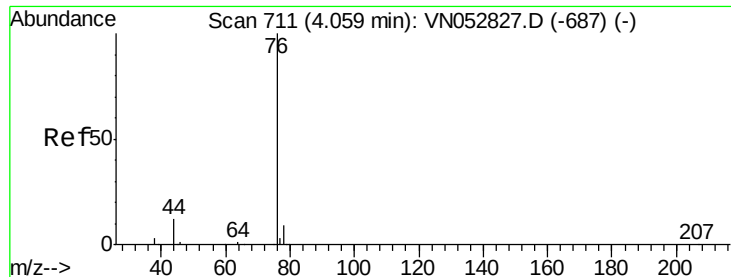
Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Tgt Ion:	43	Resp:	570416
Ion Ratio	Lower	Upper	
43	100		
58	33.4	25.4	38.0





#17

Carbon Disulfide

Concen: 47.114 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1435663

Ion Ratio Lower Upper

76 100

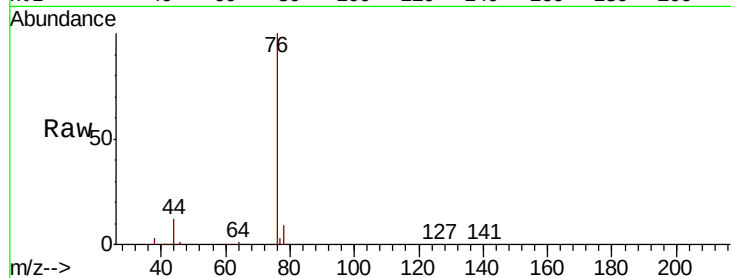
78 8.8 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

600000

500000

400000

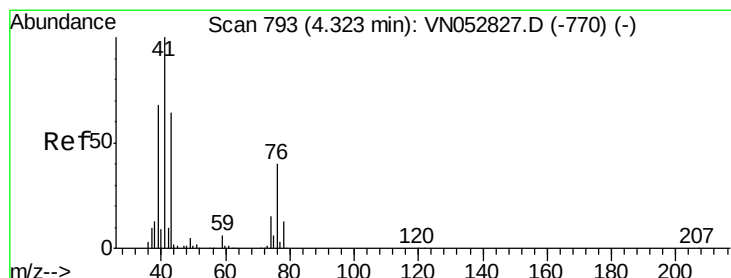
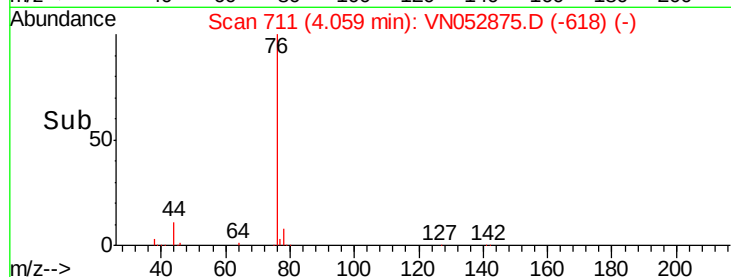
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 48.790 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052875.D

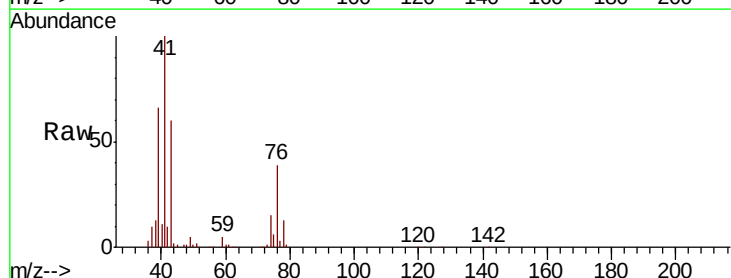
Acq: 13 Dec 2018 20:01

Tgt Ion: 43 Resp: 461339

Ion Ratio Lower Upper

43 100

74 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

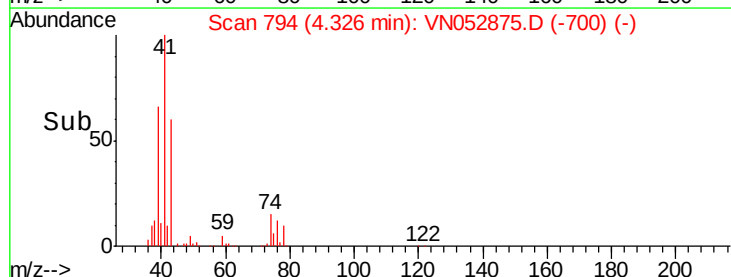
150000

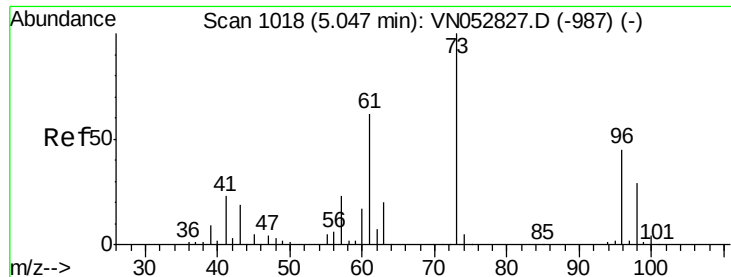
100000

50000

0

Time-->





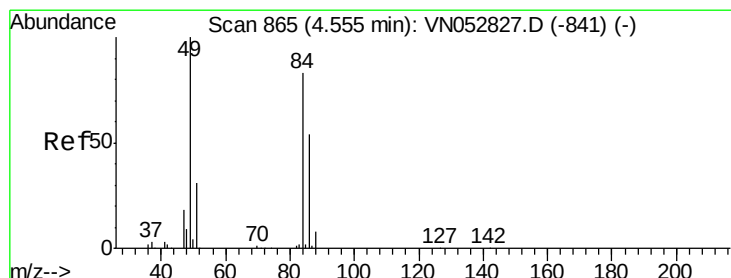
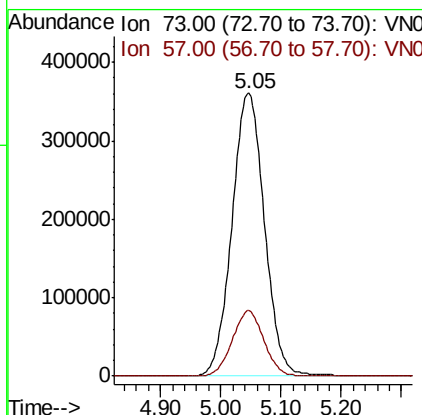
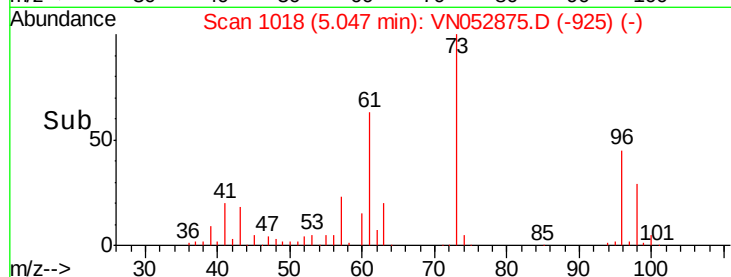
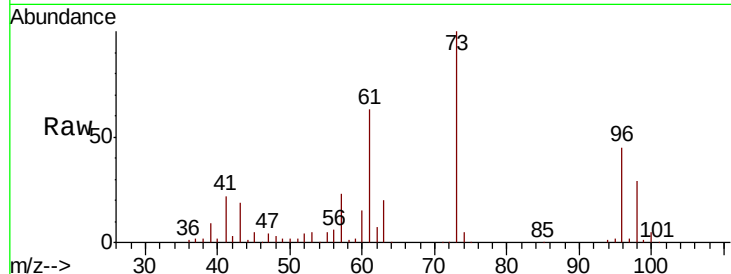
#19
Methyl tert-butyl Ether
Concen: 50.549 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1361220
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6

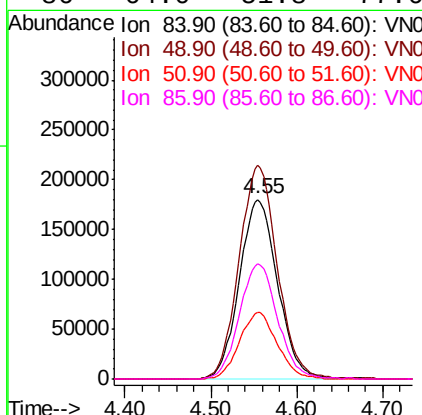
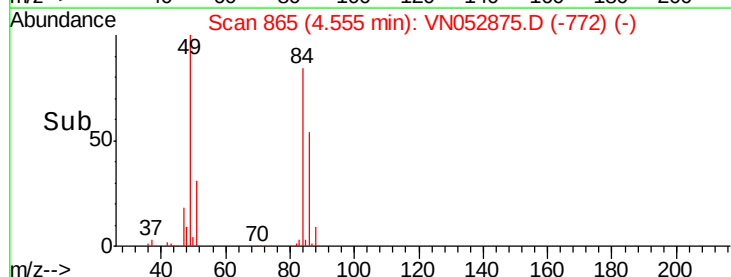
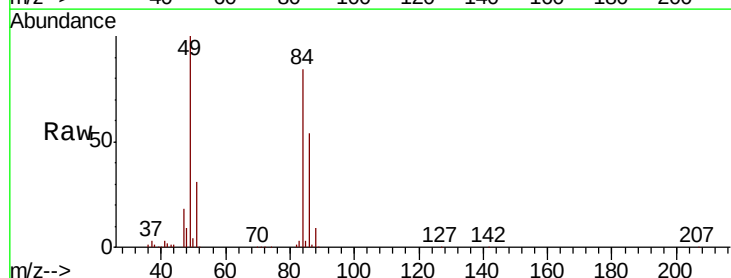
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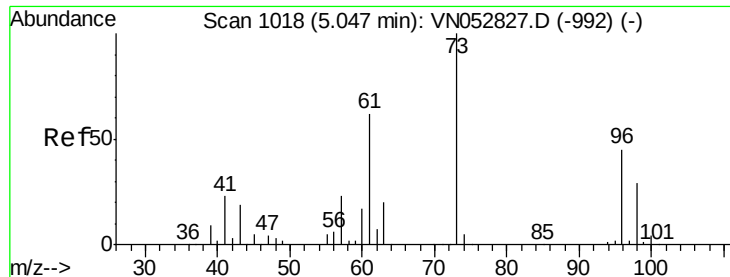
MMDadoda
12/14/2018 9:03:21 AM



#20
Methylene Chloride
Concen: 47.936 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion: 84 Resp: 555801
Ion Ratio Lower Upper
84 100
49 118.9 96.8 145.2
51 37.3 29.9 44.9
86 64.0 51.8 77.6





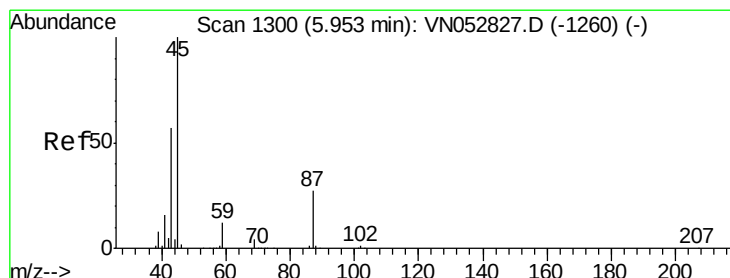
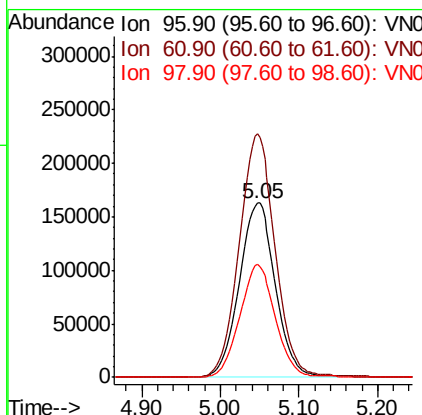
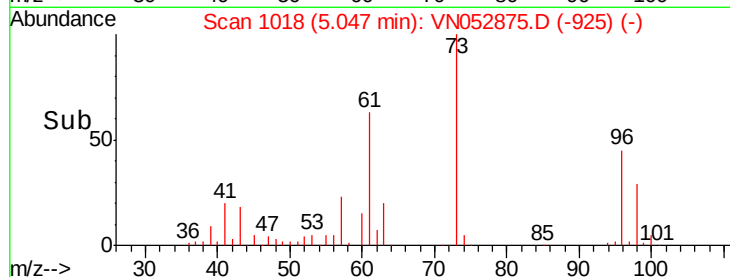
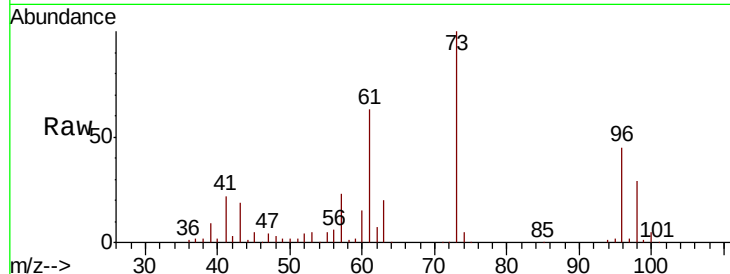
#21
trans-1,2-Dichloroethene
Concen: 49.005 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	110.8	166.2
98	64.5	51.4	77.2

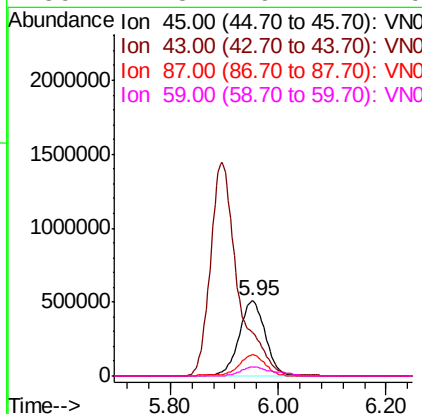
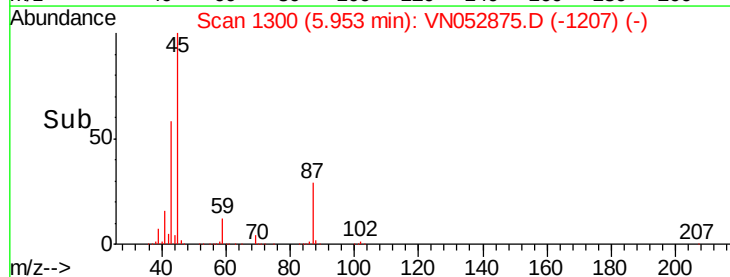
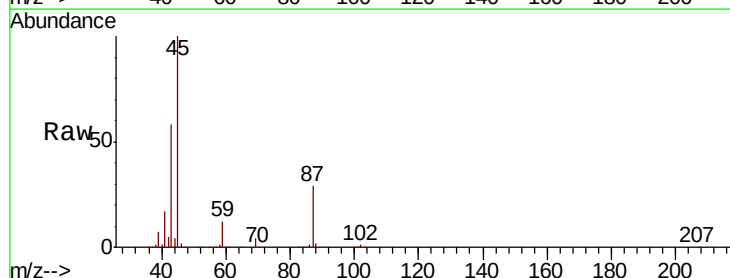
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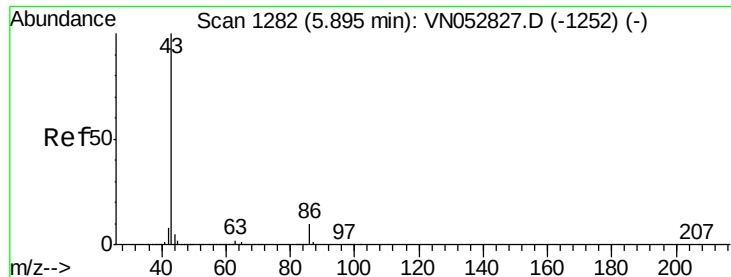
MMDadoda
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#22
Diisopropyl ether
Concen: 49.892 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	45.5	68.3
87	28.5	22.0	33.0
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 249.412 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 5129640

Ion Ratio Lower Upper

43 100

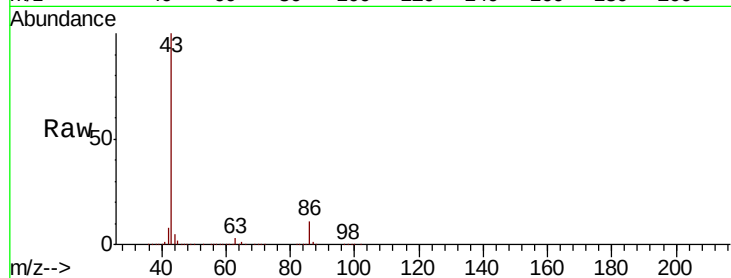
86 10.5 8.1 12.1

Manual Integrations

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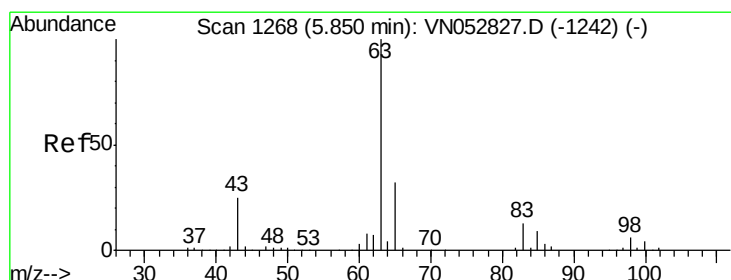
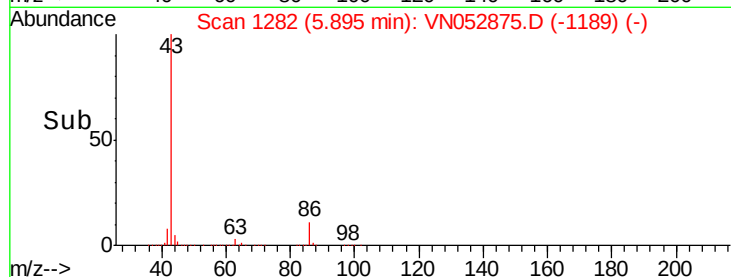
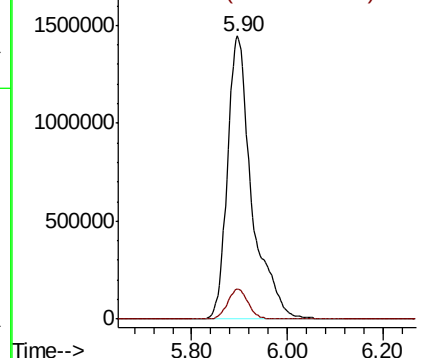
MMDadoda

12/14/2018 9:03:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.018 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

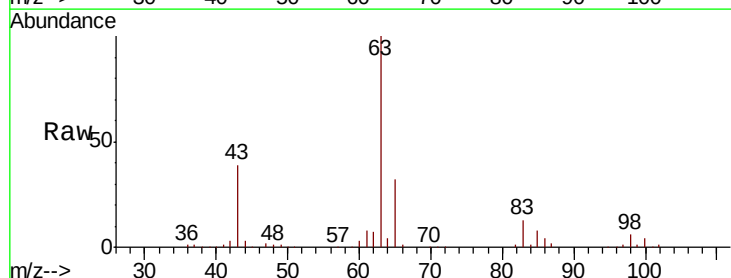
Tgt Ion: 63 Resp: 996961

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

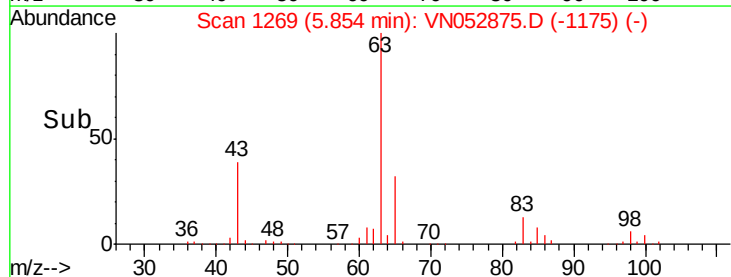
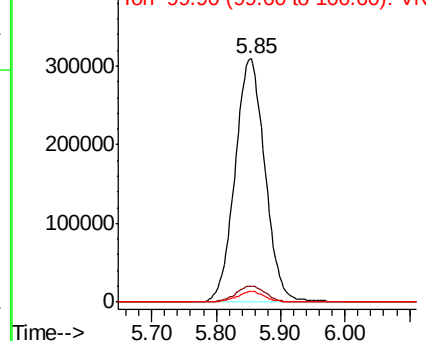
100 4.3 2.0 5.8

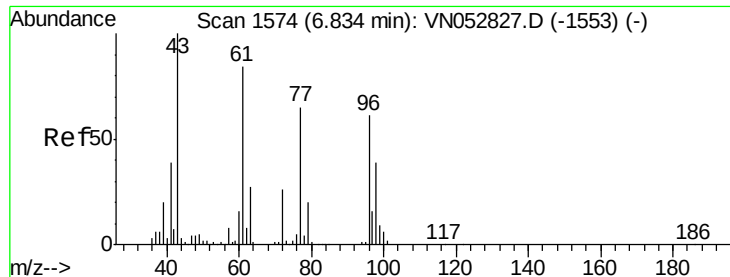


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





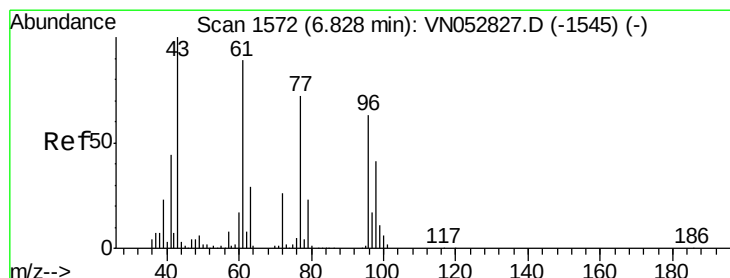
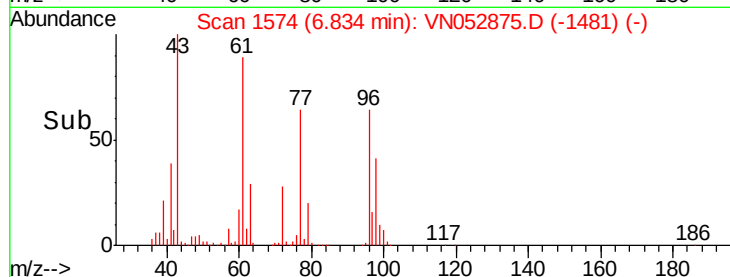
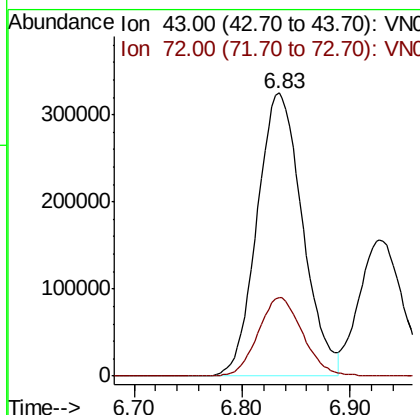
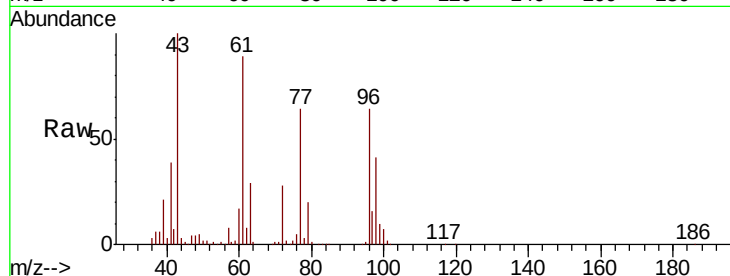
#25
2-Butanone
Concen: 236.535 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 945609
Ion Ratio Lower Upper
43 100
72 27.9 21.0 31.6

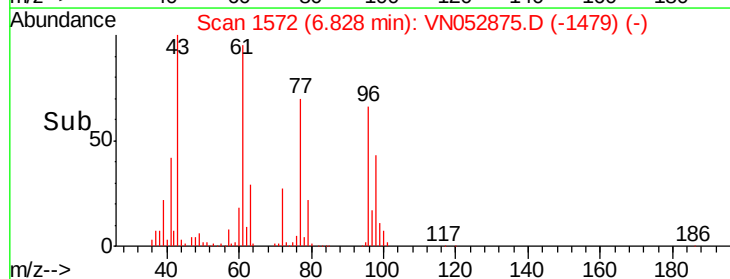
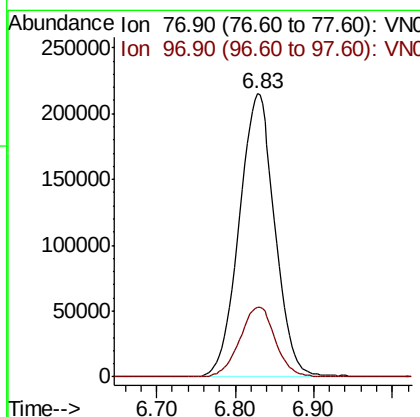
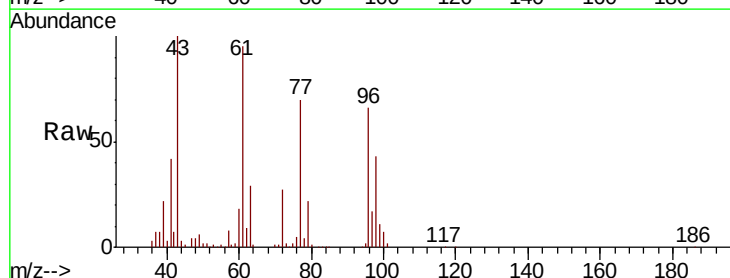
Manual Integrations
APPROVED

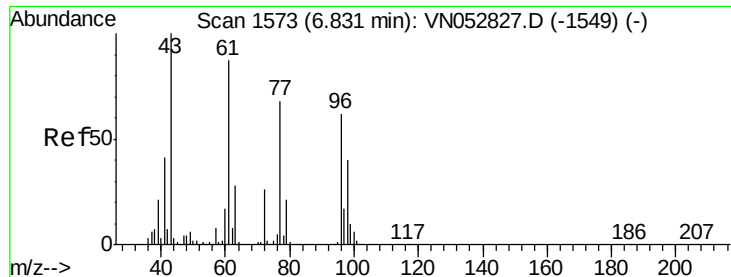
MMDadoda
12/14/2018 9:03:21 AM



#26
2,2-Dichloropropane
Concen: 46.636 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion: 77 Resp: 684542
Ion Ratio Lower Upper
77 100
97 24.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.134 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

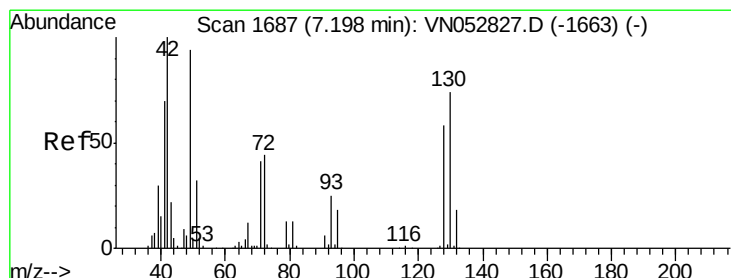
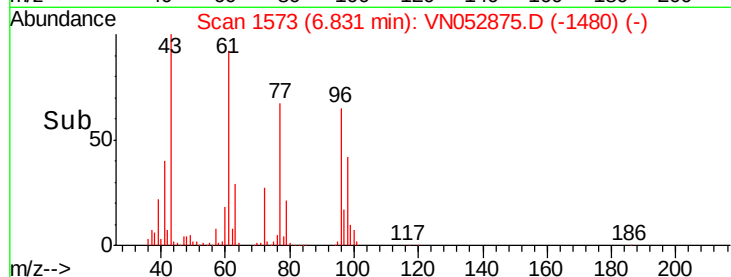
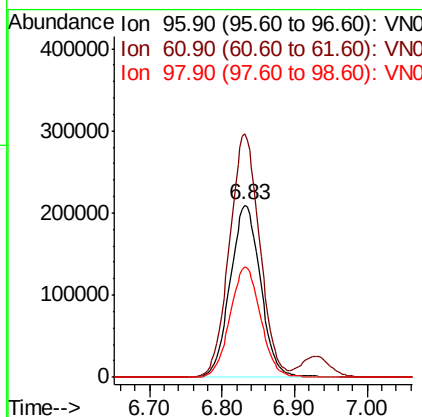
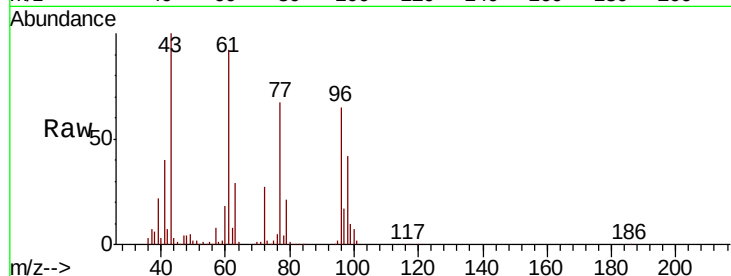
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	611478
Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	284.2
98	64.8	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 50.314 ug/l

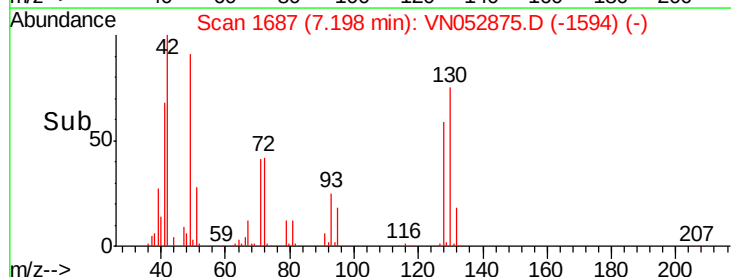
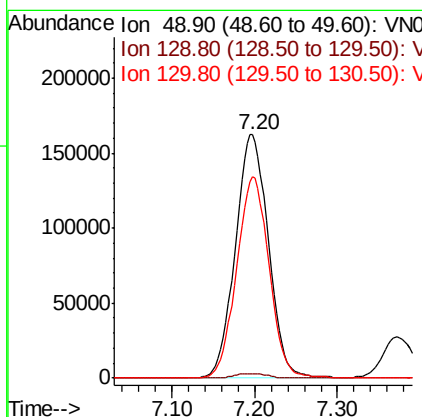
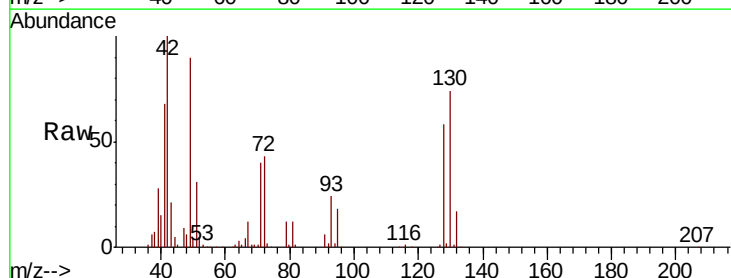
RT: 7.20 min Scan# 1687

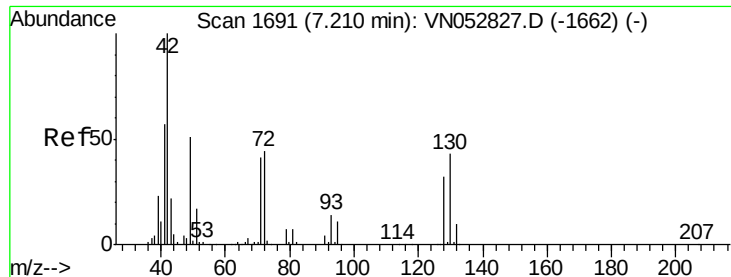
Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Tgt Ion:	49	Resp:	450334
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	81.2	63.3	94.9





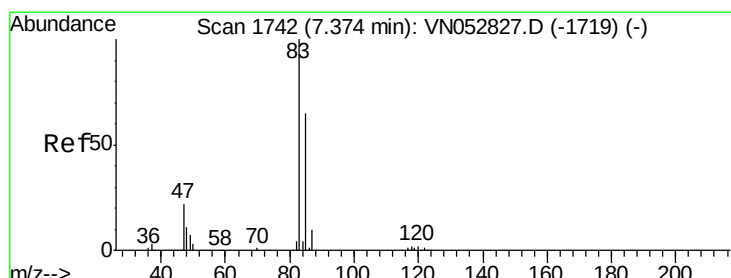
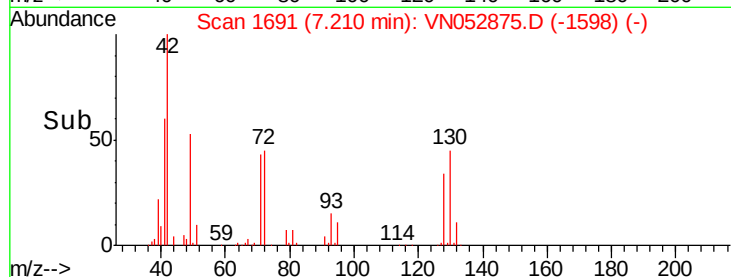
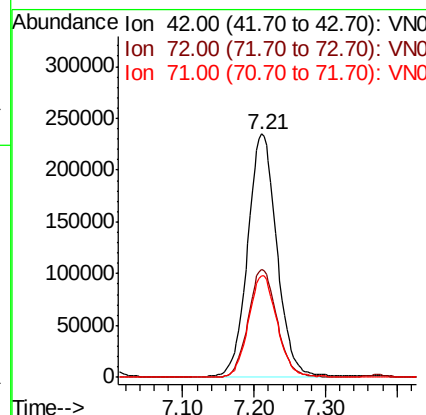
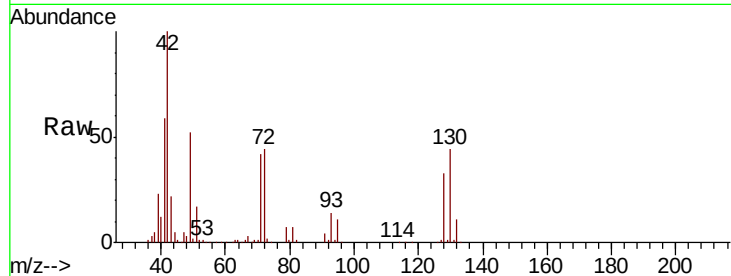
#29
Tetrahydrofuran
Concen: 244.848 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.7	52.1
71	40.9	32.3	48.5

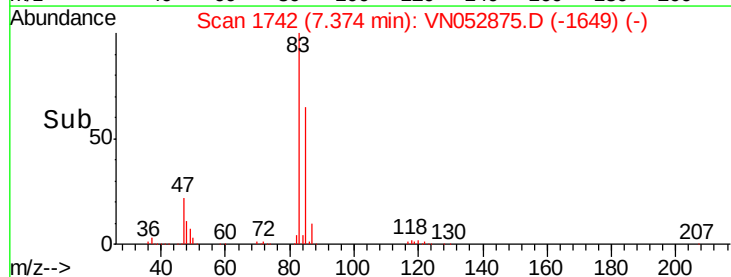
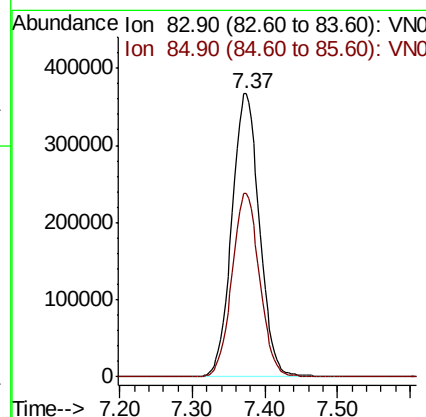
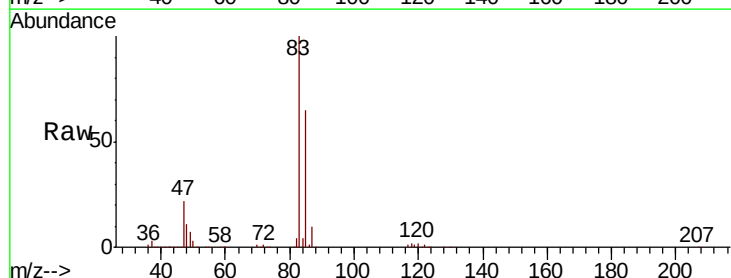
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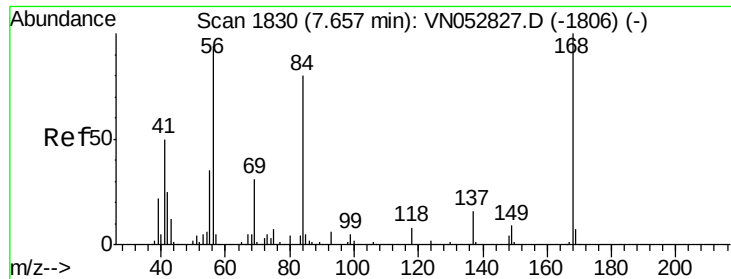
MMDadoda
12/14/2018 9:03:21 AM



#30
Chloroform
Concen: 50.044 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.1	78.1





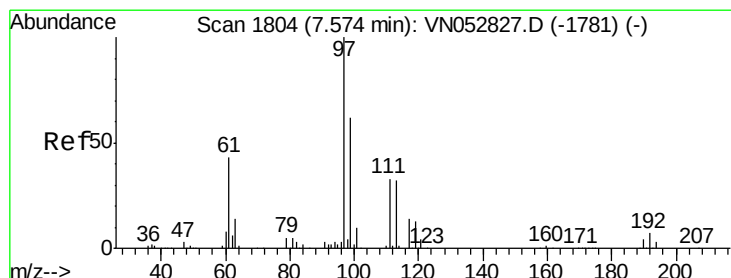
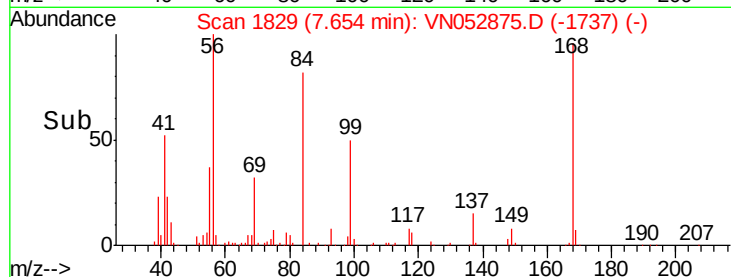
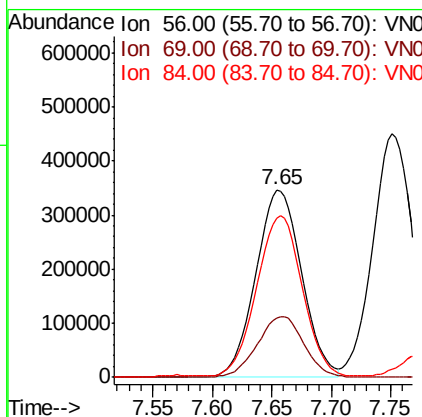
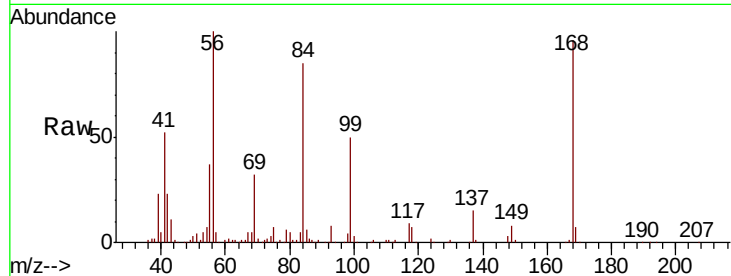
#31
Cyclohexane
Concen: 47.523 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.6	39.8
84	83.9	68.4	102.6

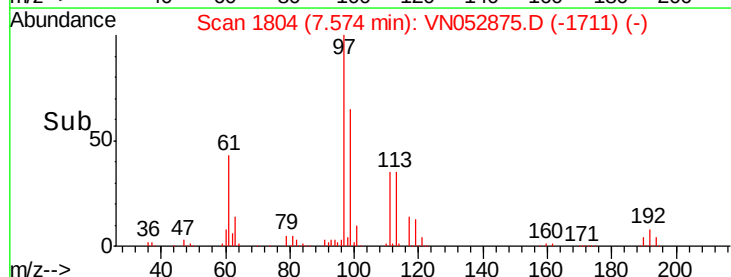
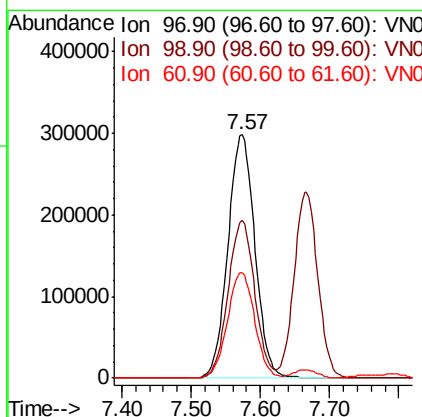
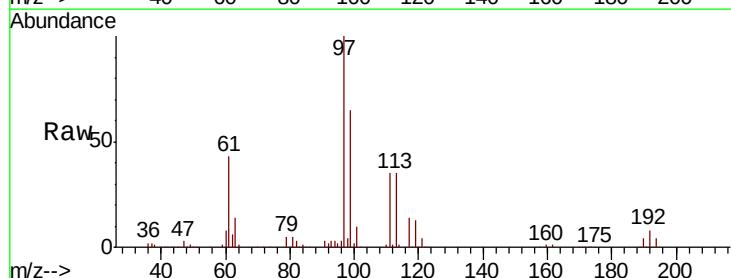
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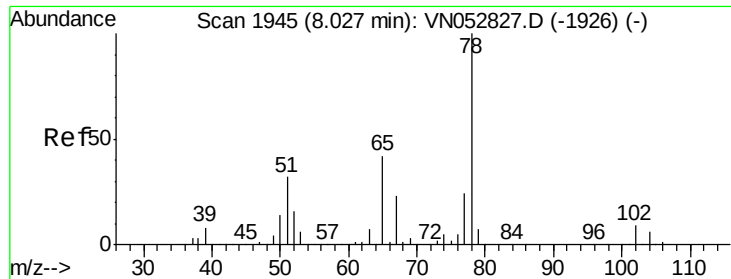
MMDadoda
12/14/2018 9:03:21 AM



#32
1,1,1-Trichloroethane
Concen: 49.955 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.1	76.7
61	43.7	35.0	52.6





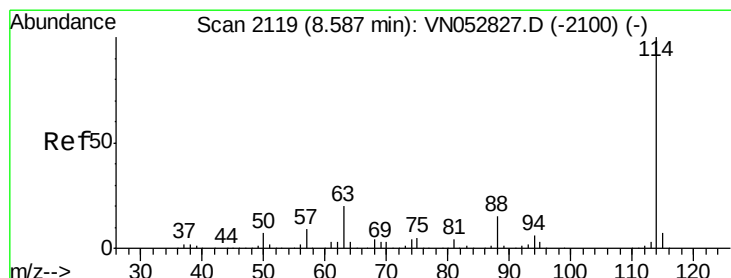
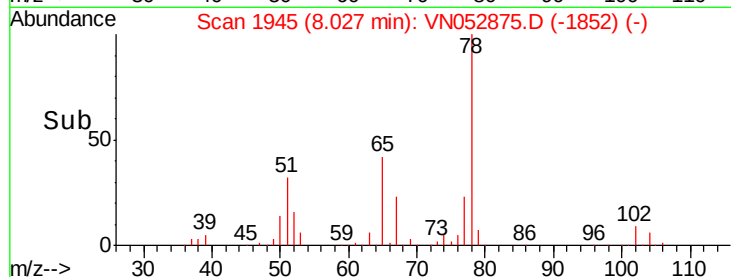
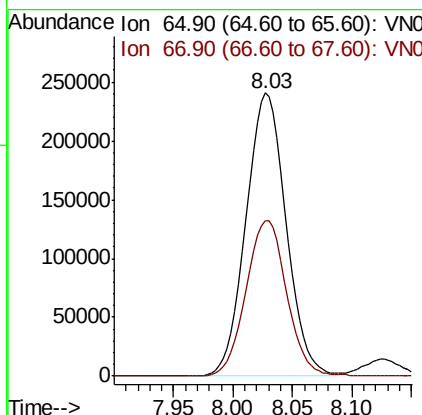
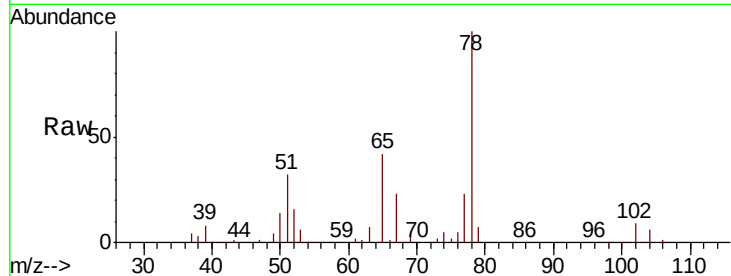
#33
 1,2-Dichloroethane-d4
 Concen: 49.955 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.7	0.0	110.4	

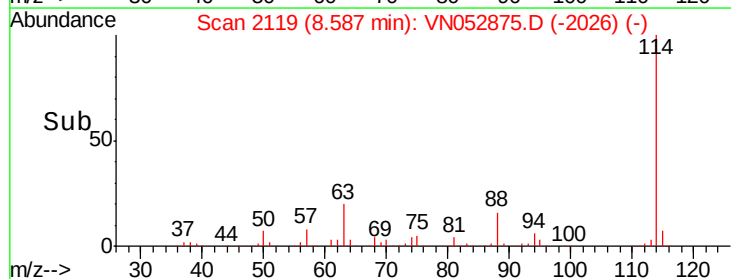
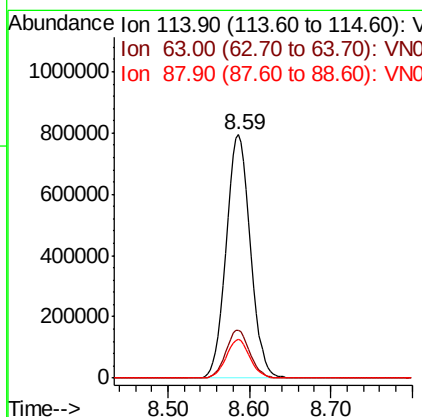
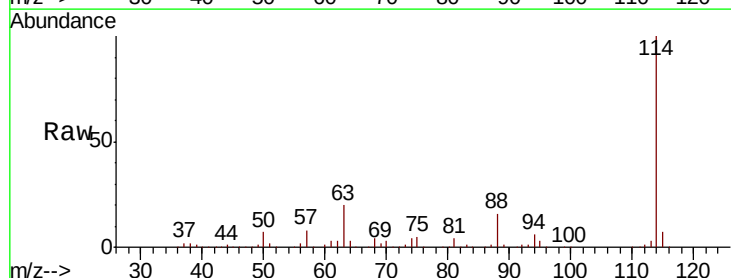
Manual Integrations
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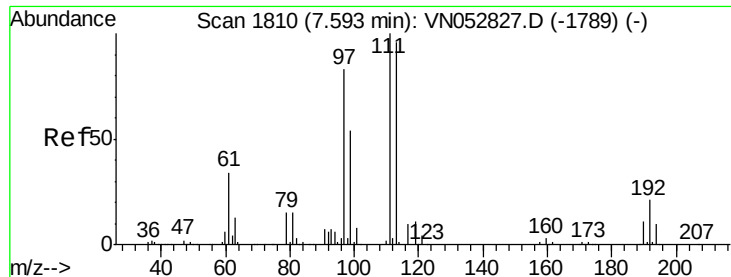
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 12/14/2018 9:03:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	39.8	
88	15.8	0.0	31.0	





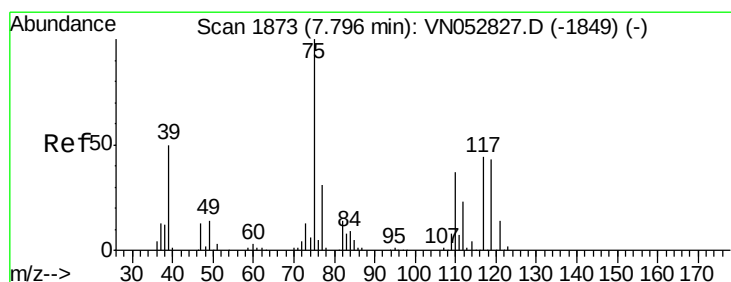
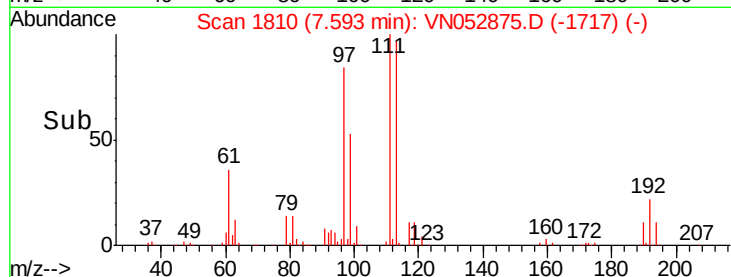
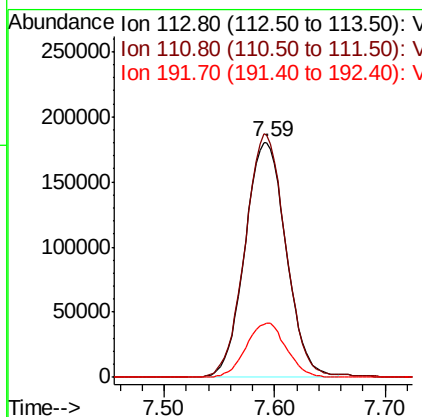
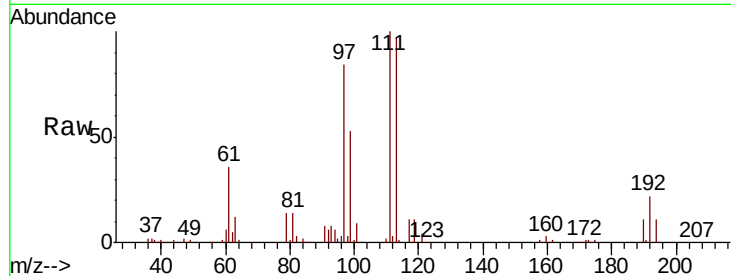
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	466828		
111	102.4	83.0	124.4	
192	22.6	17.5	26.3	

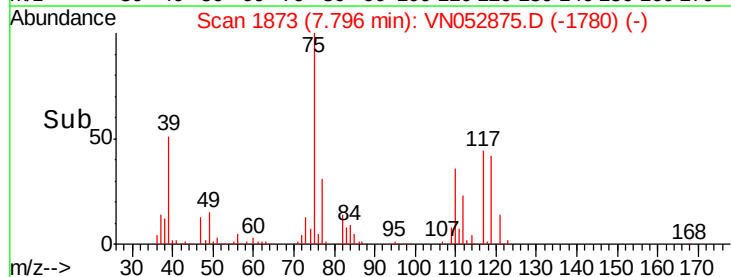
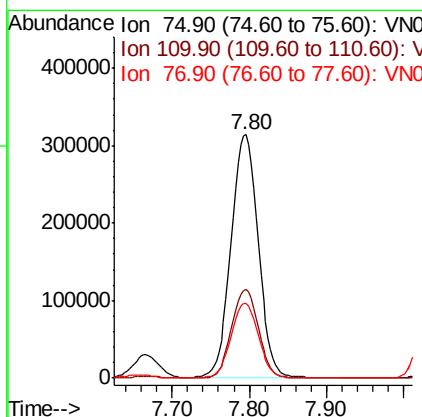
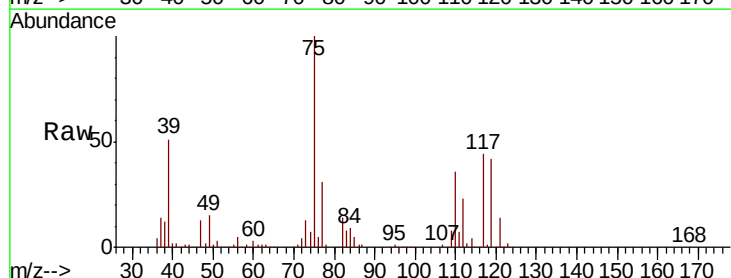
Manual Integrations
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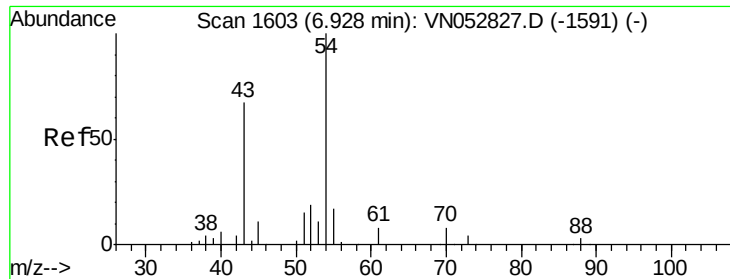
MMDadoda
12/14/2018 9:03:21 AM



#36
1,1-Dichloropropene
Concen: 50.072 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	766188		
110	36.0	18.2	54.6	
77	31.1	24.9	37.3	





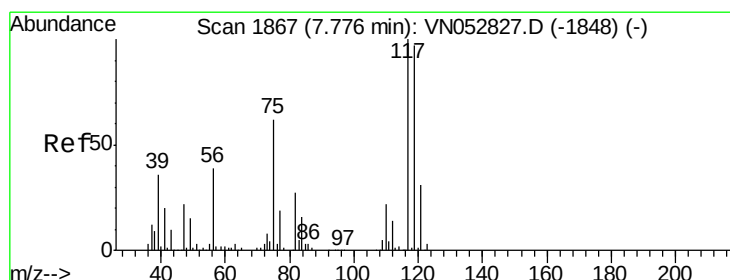
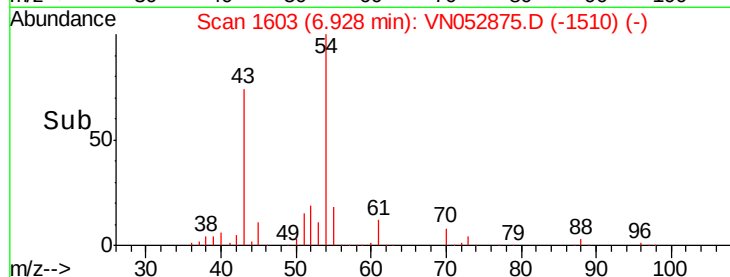
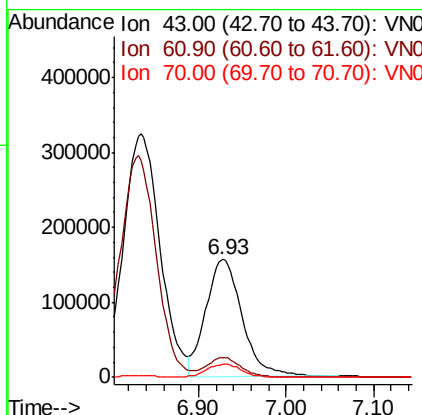
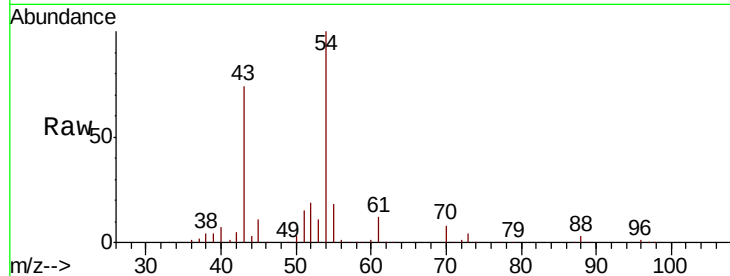
#37
Ethyl Acetate
Concen: 49.168 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	451969		
Ratio	100	15.5	10.9
Lower		11.8	8.4
Upper		17.6	12.6

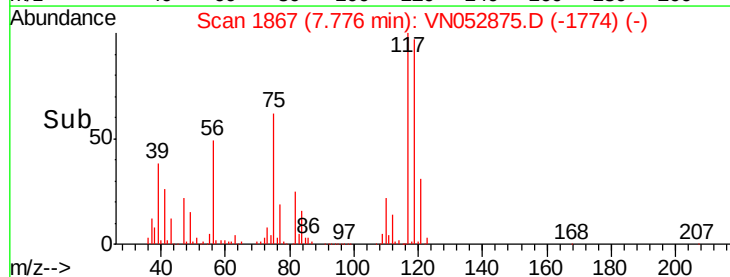
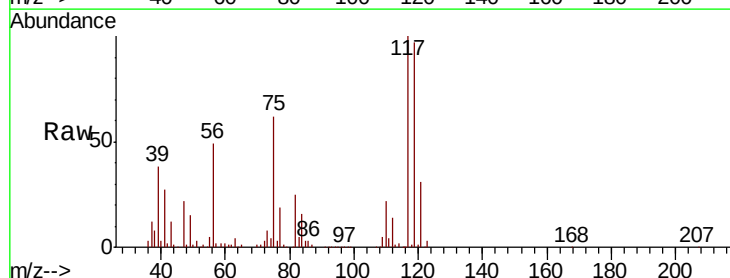
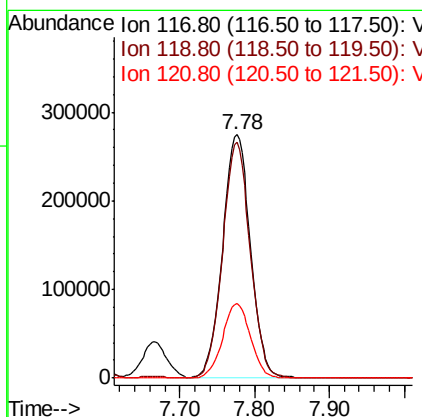
Manual Integrations
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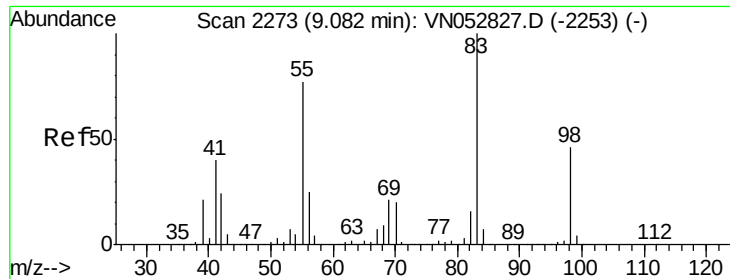
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#38
Carbon Tetrachloride
Concen: 50.248 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	117	119	121
Resp	707712		
Ratio	100	96.7	30.6
Lower		77.1	24.9
Upper		115.7	37.3





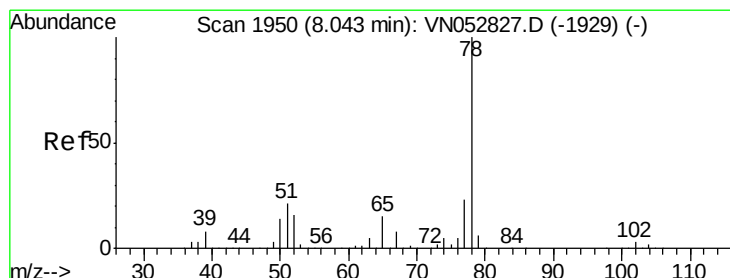
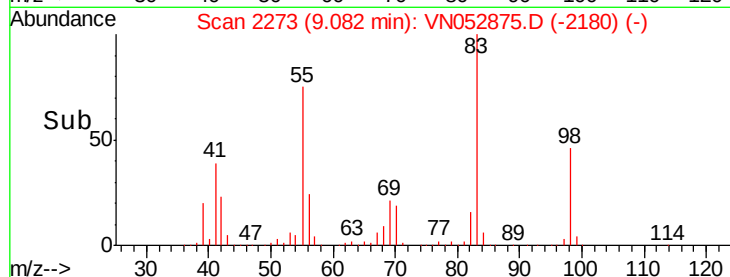
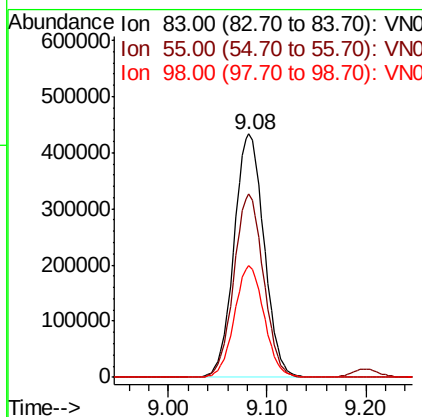
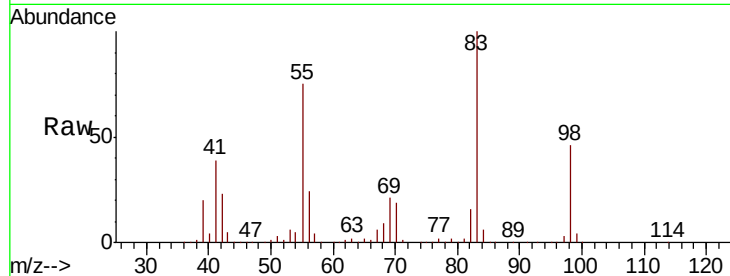
#39
Methylvlcyclohexane
Concen: 48.717 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	61.3	91.9
98	45.7	37.0	55.4

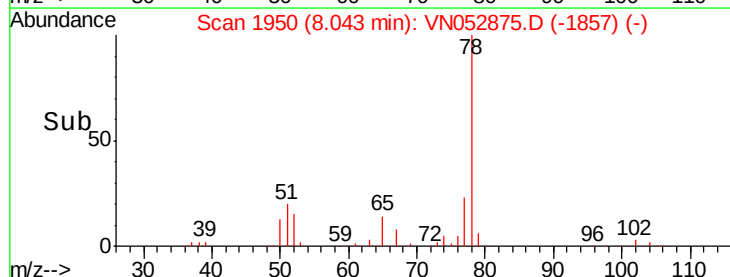
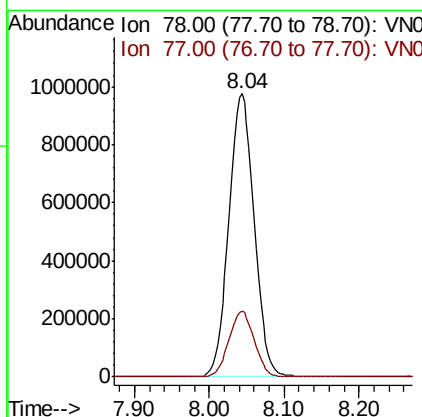
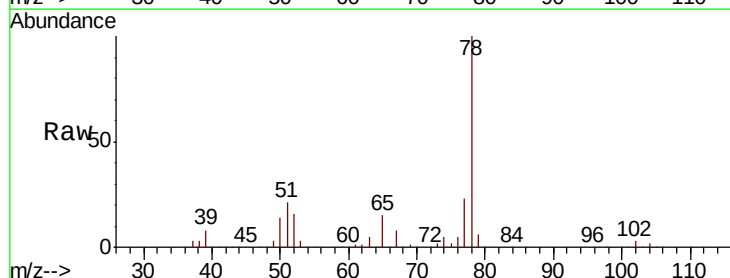
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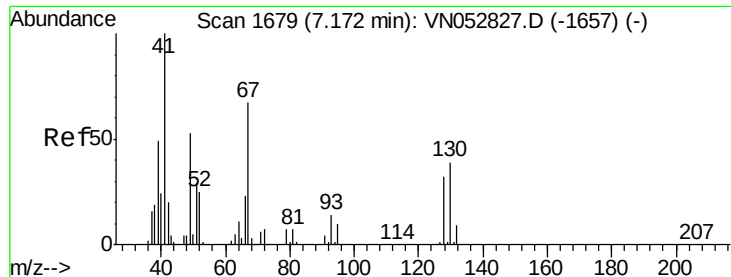
MMDadoda
12/14/2018 9:03:21 AM



#40
Benzene
Concen: 49.972 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7





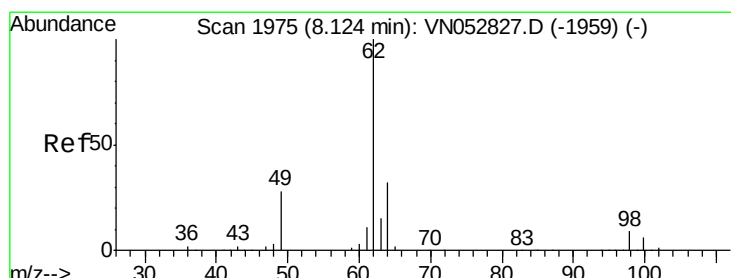
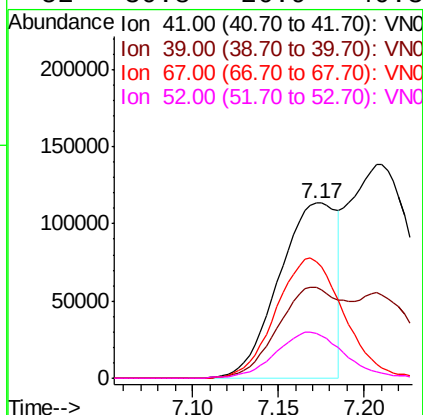
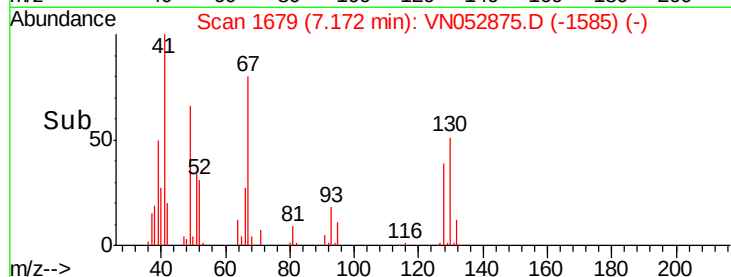
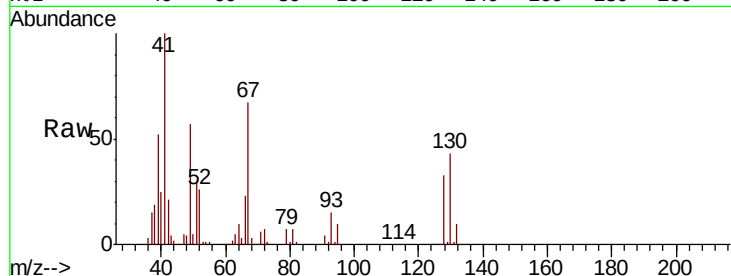
#41
Methacrylonitrile
Concen: 51.946 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	264571
Ion Ratio	Lower	Upper	
41	100		
39	62.5	48.0	72.0
67	80.9	70.3	105.5
52	30.8	26.9	40.3

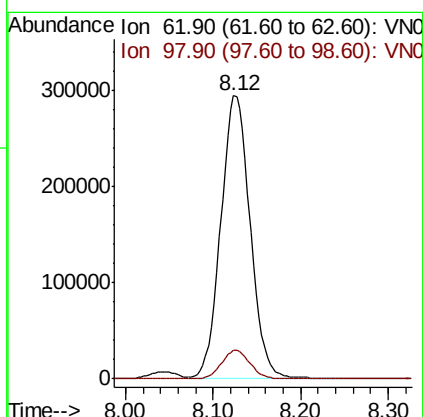
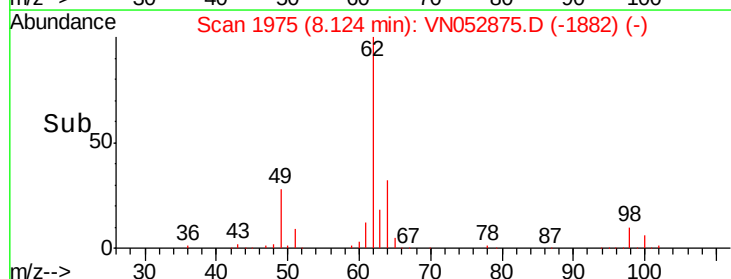
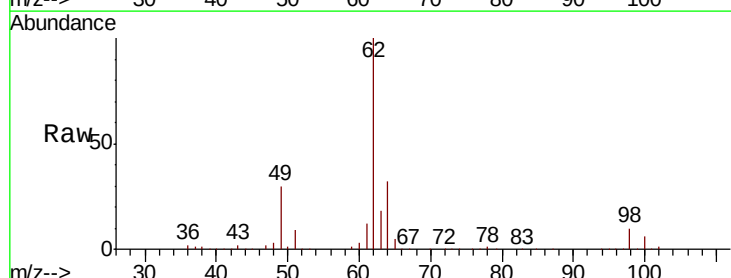
Manual Integrations
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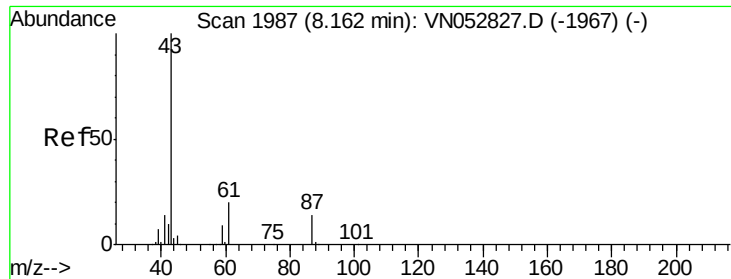
MMDadoda
12/14/2018 9:03:21 AM



#42
1,2-Dichloroethane
Concen: 49.646 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	62	Resp	686423
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	19.0





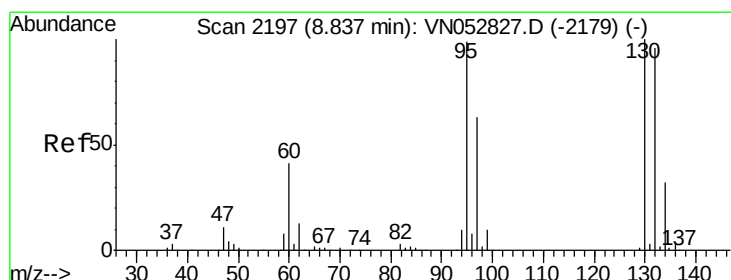
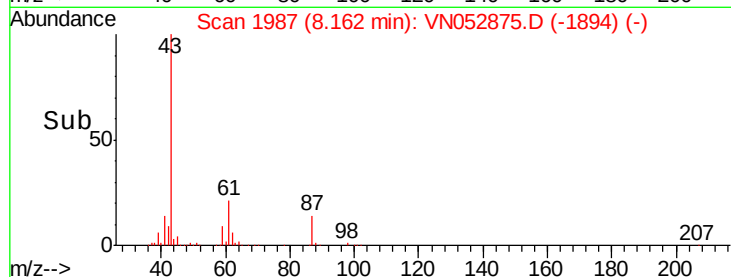
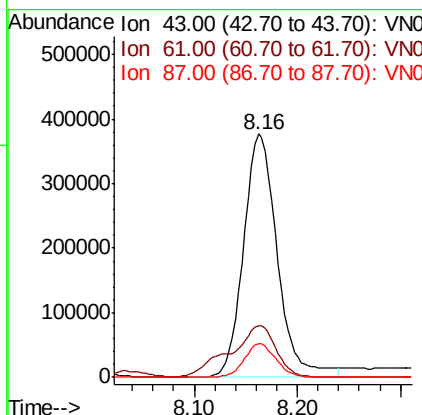
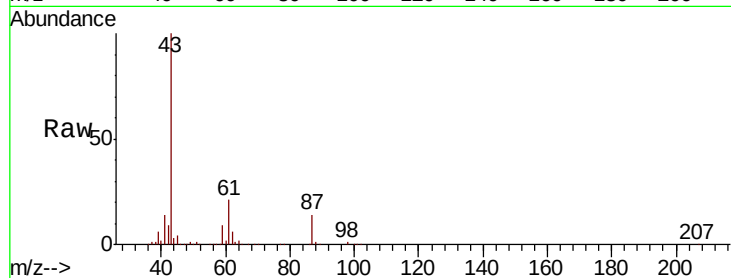
#43
Isopropyl Acetate
Concen: 45.319 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.9	34.3
87	13.0	10.6	15.8

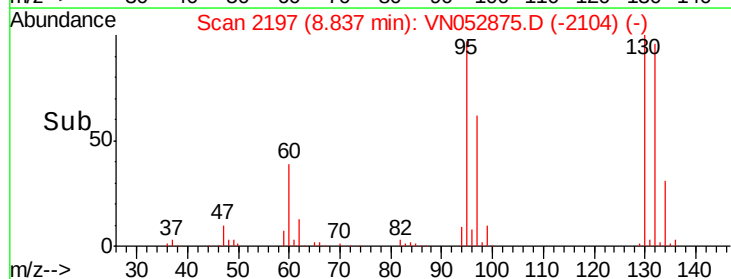
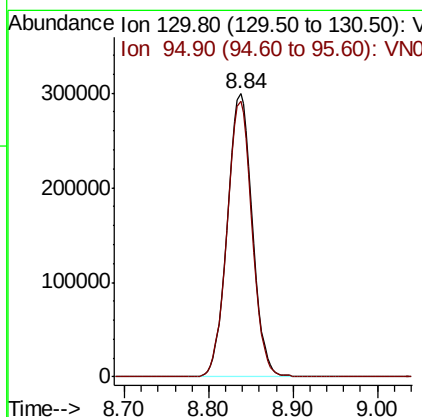
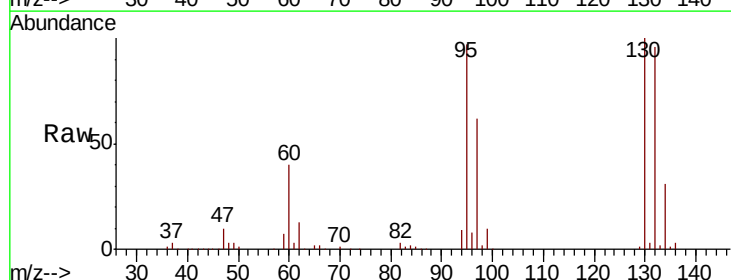
Manual Integrations
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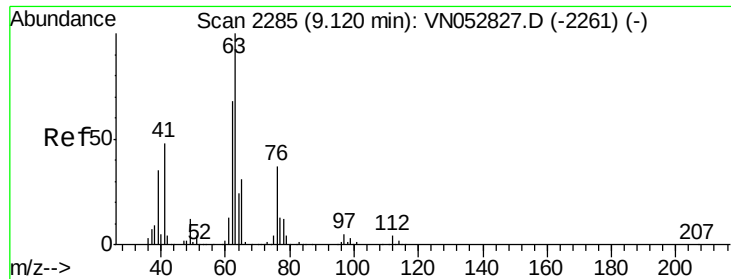
MMDadoda
12/14/2018 9:03:21 AM



#44
Trichloroethene
Concen: 49.732 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	197.8





#45

1,2-Dichloropropane

Concen: 49.925 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 600557

Ion Ratio Lower Upper

63 100

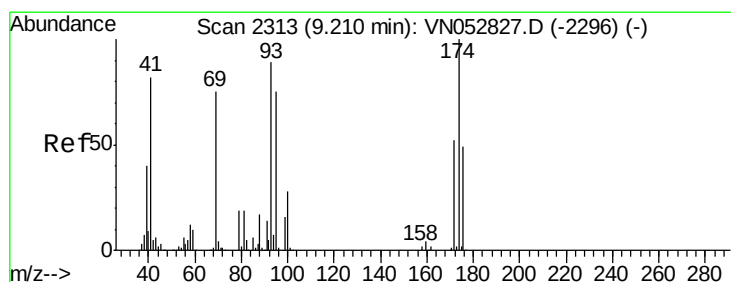
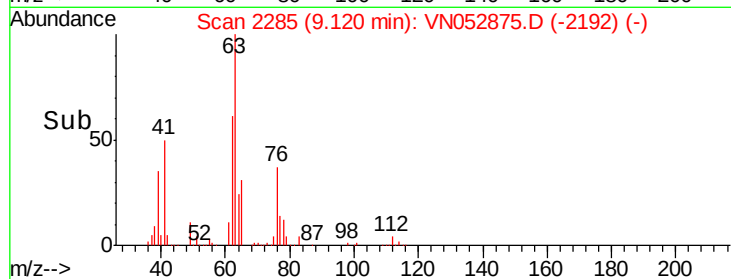
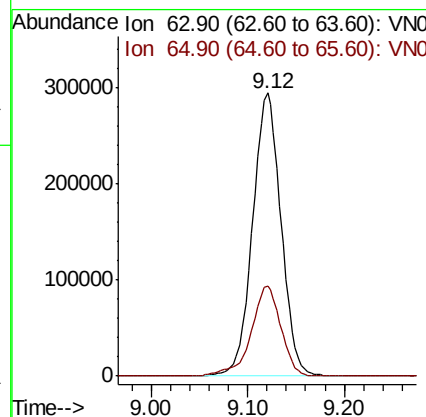
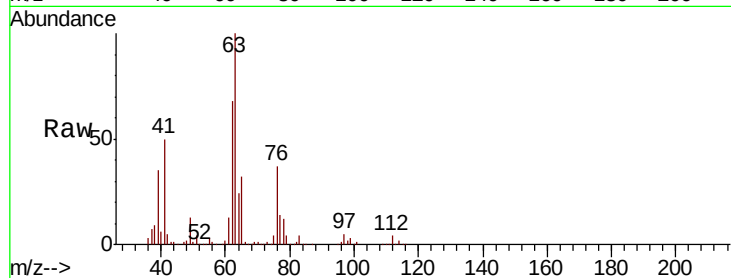
65 31.8 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 49.526 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

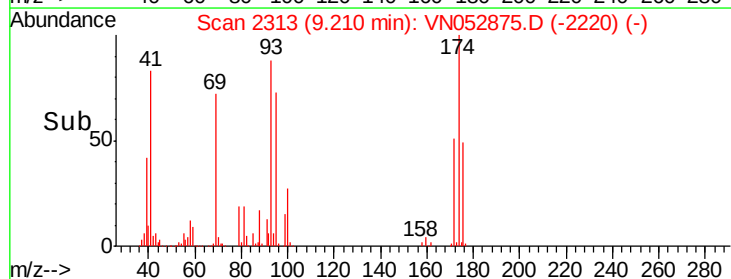
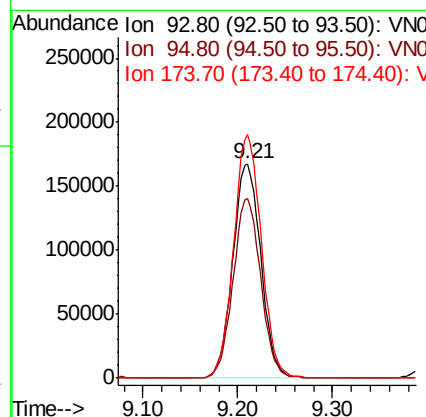
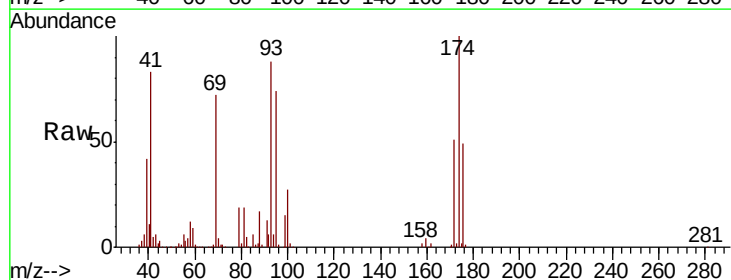
Tgt Ion: 93 Resp: 345510

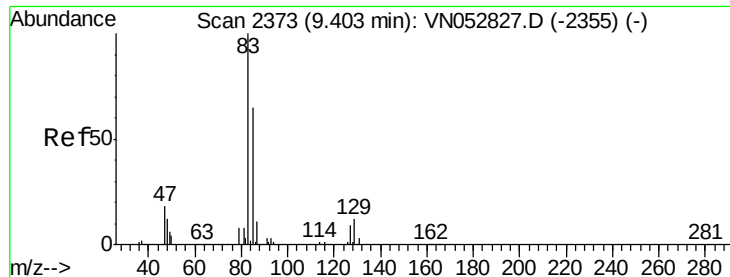
Ion Ratio Lower Upper

93 100

95 82.9 67.8 101.6

174 112.4 89.0 133.4





#47

Bromodichloromethane

Concen: 50.539 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

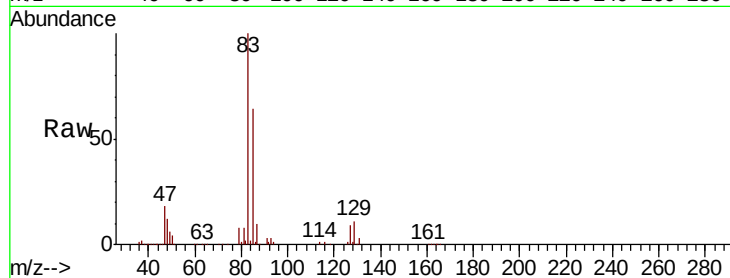
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	731136
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.6	77.4
127	8.8	7.1	10.7

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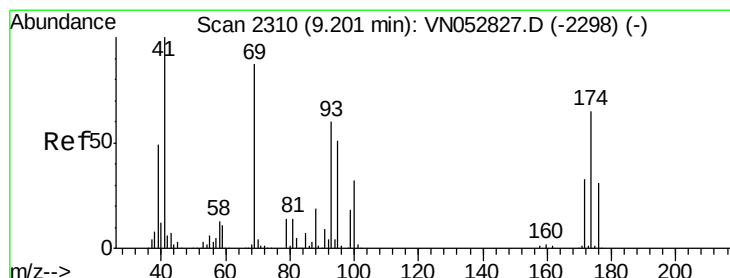
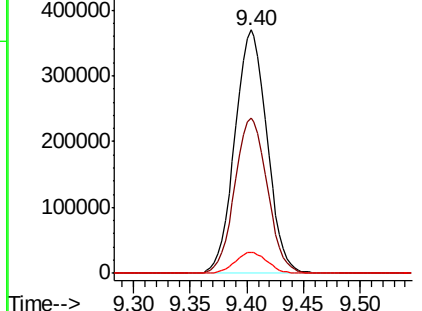
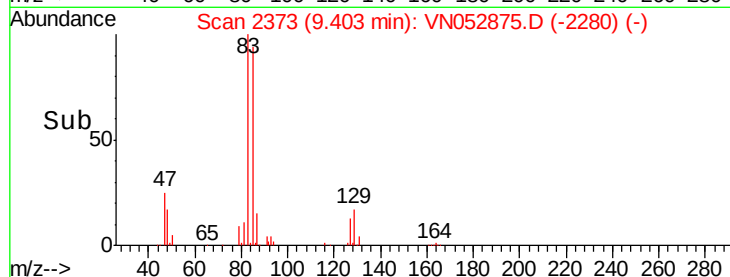


Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN052827.D (-2355) (-)

Time-->



#48

Methyl methacrylate

Concen: 51.215 ug/l

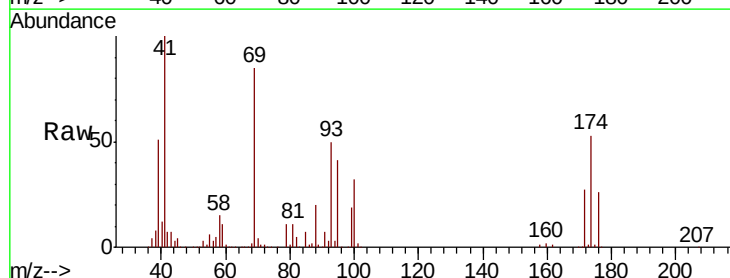
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Tgt Ion:	41	Resp:	423296
Ion Ratio	Lower	Upper	
41	100		
69	88.9	72.2	108.2
39	53.4	41.9	62.9

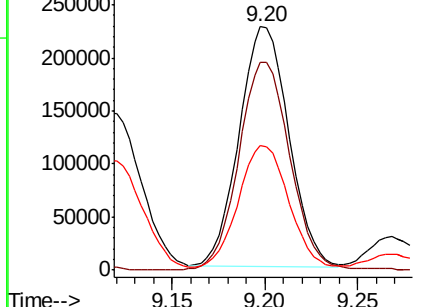
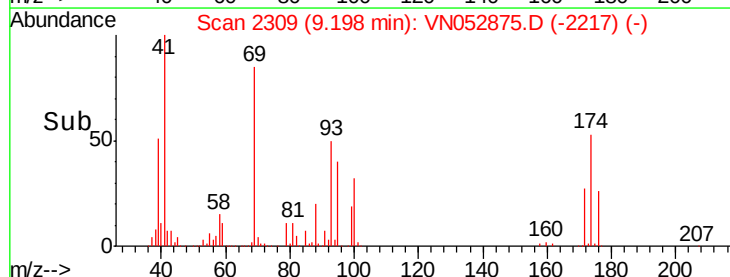


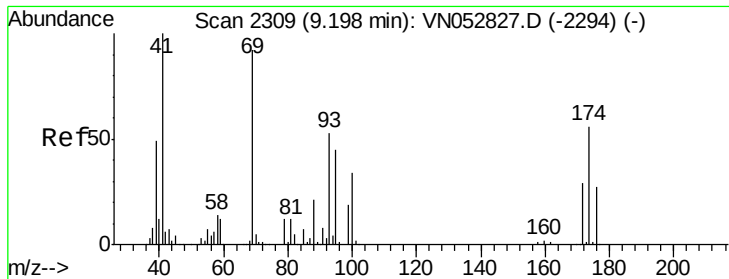
Abundance Ion 41.00 (40.70 to 41.70): VN052827.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052827.D (-2298) (-)

Time-->





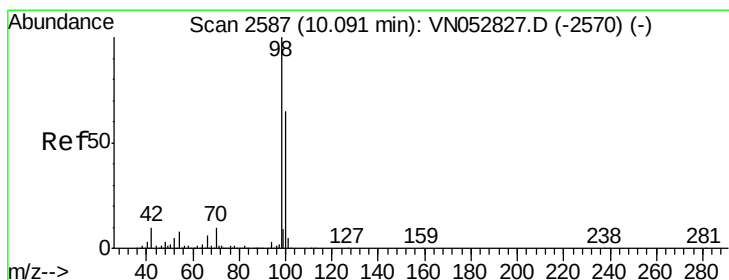
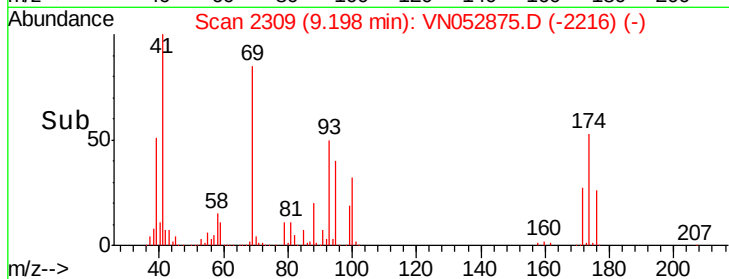
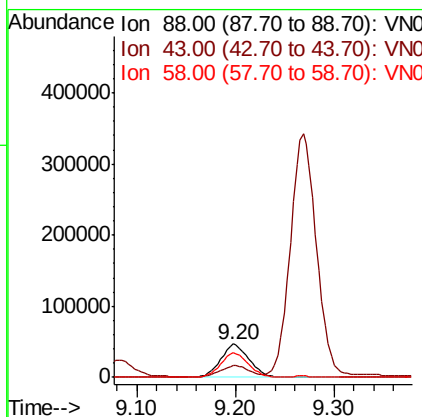
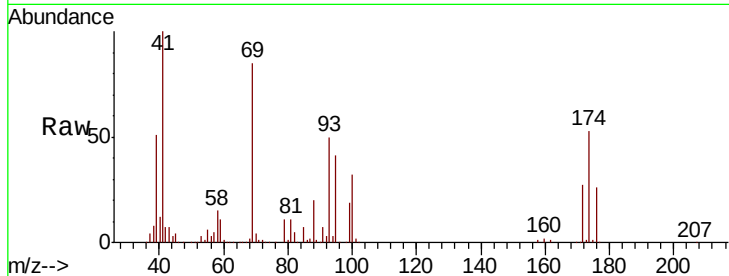
#49
1,4-Dioxane
Concen: 1015.039 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	95227
Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.6	40.0
58	72.1	58.4	87.6

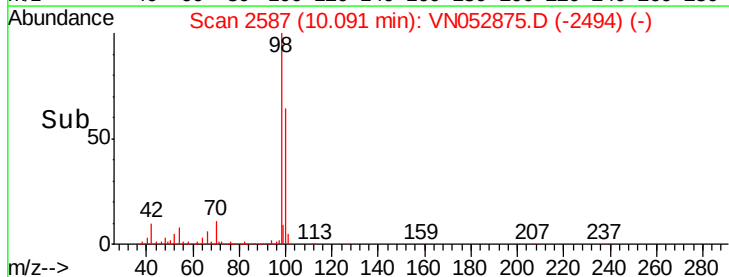
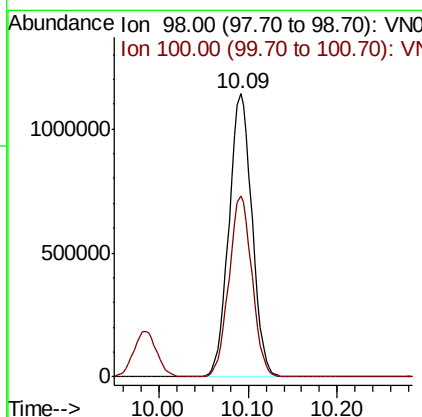
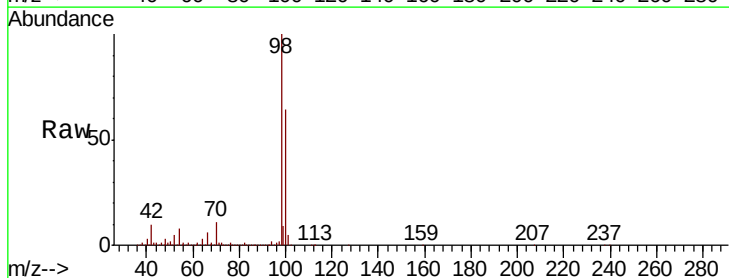
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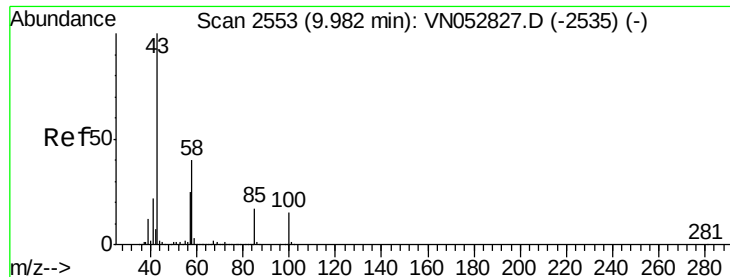
MMDadoda
12/14/2018 9:03:21 AM



#50
Toluene-d8
Concen: 1015.039 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	98	Resp	2043648
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4





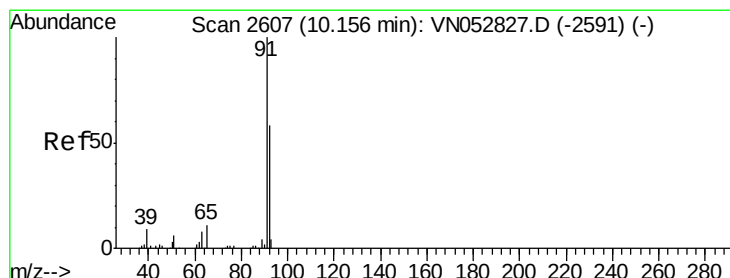
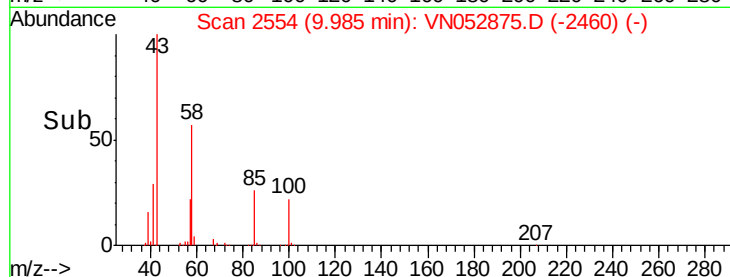
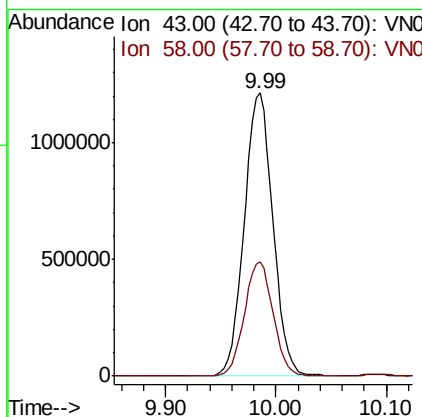
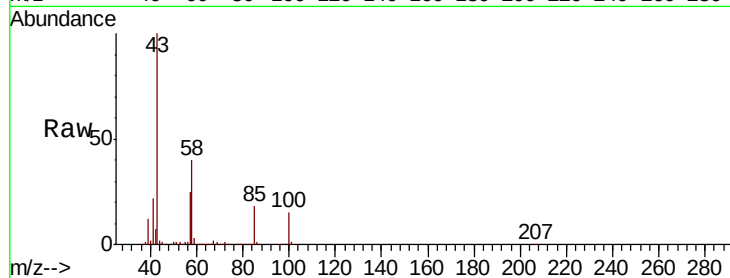
#51
4-Methyl-2-Pentanone
Concen: 251.905 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2176972
Ion Ratio Lower Upper
43 100
58 40.5 32.2 48.4

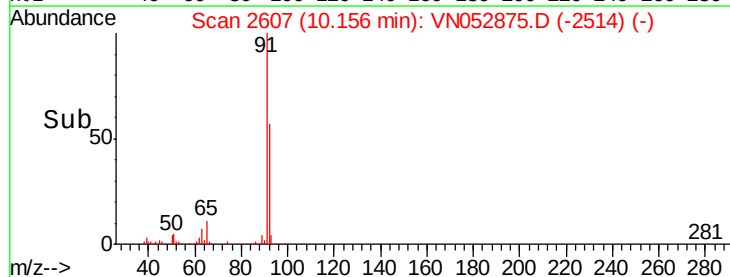
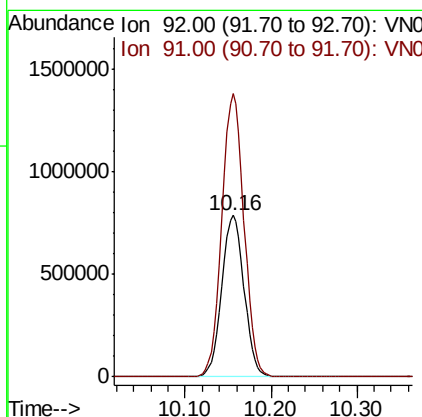
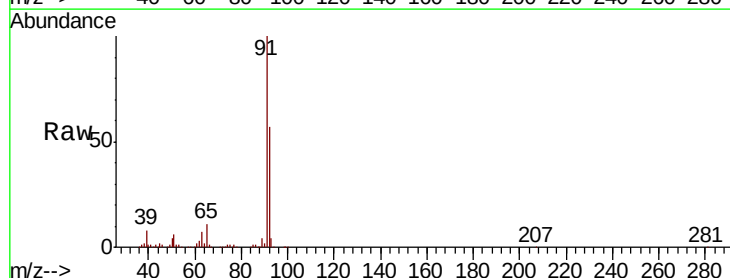
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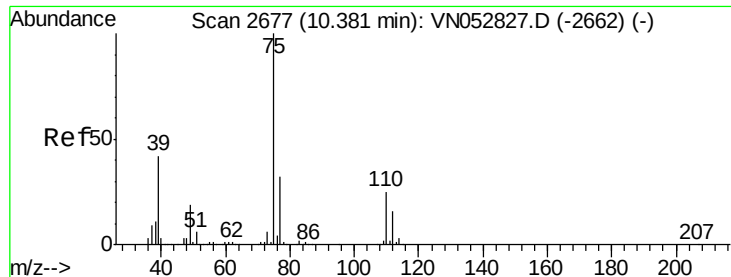
MMDadoda
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#52
Toluene
Concen: 50.798 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion: 92 Resp: 1412976
Ion Ratio Lower Upper
92 100
91 175.1 139.8 209.6





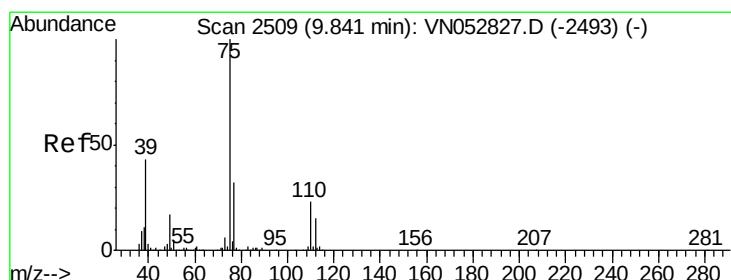
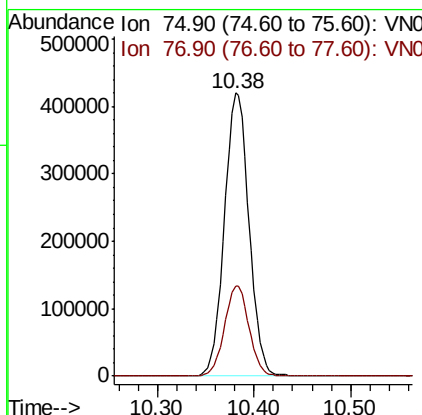
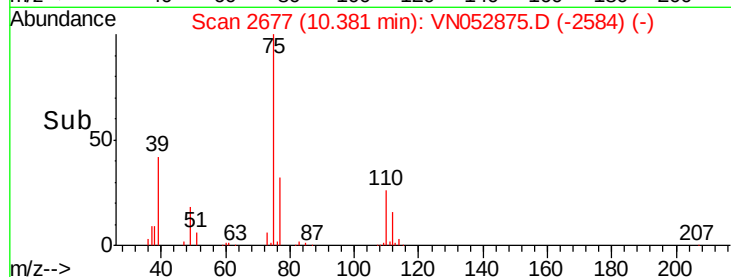
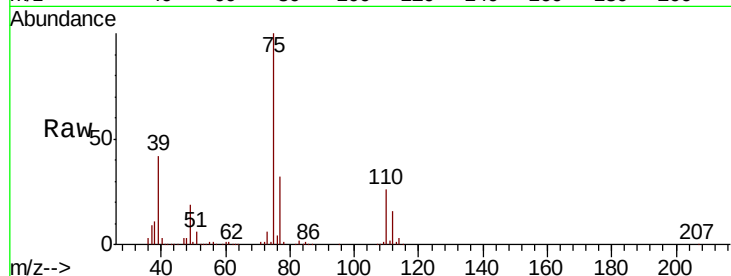
#53
t-1,3-Dichloropropene
Concen: 50.920 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 741264
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4

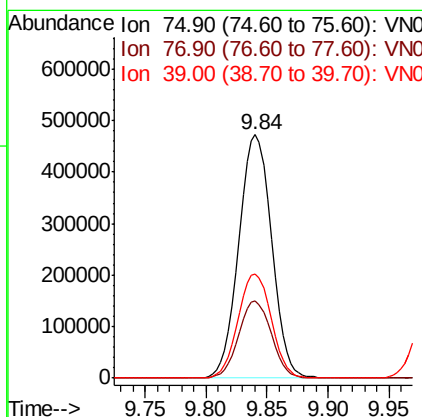
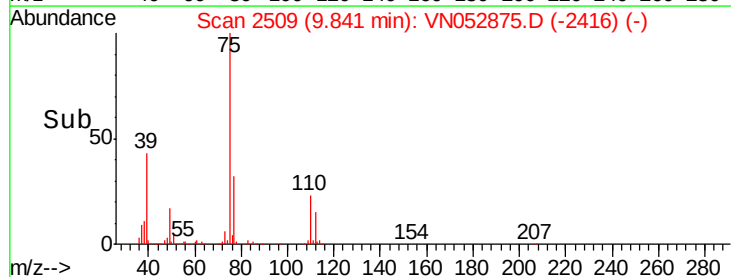
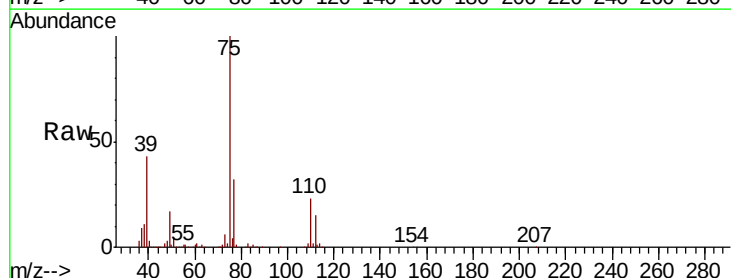
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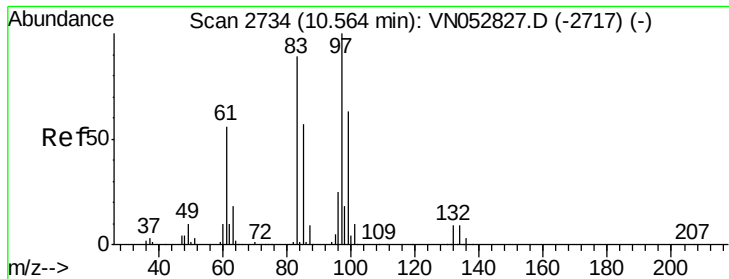
MMDadoda
12/14/2018 9:03:21 AM



#54
cis-1,3-Dichloropropene
Concen: 50.671 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion: 75 Resp: 878993
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
39 42.6 34.8 52.2





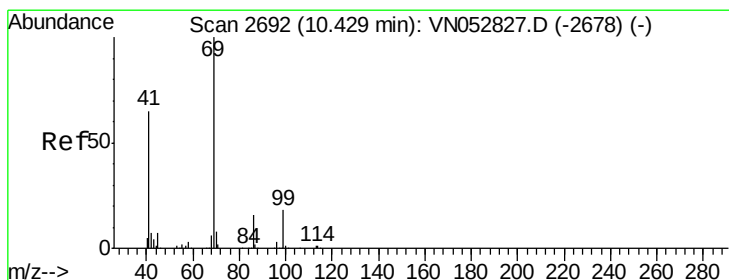
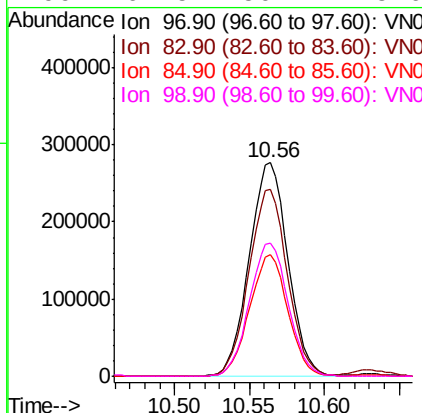
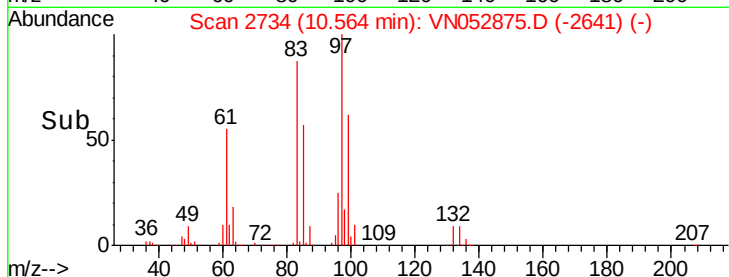
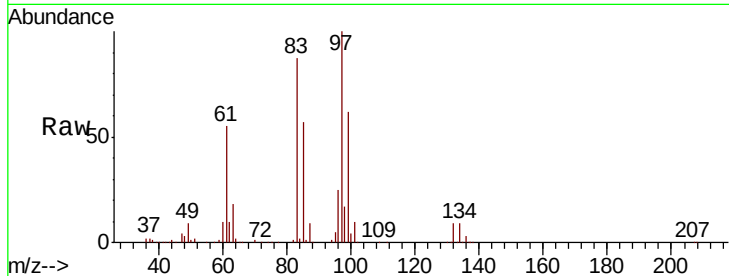
#55
 1,1,2-Trichloroethane
 Concen: 50.148 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	497936
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.9	106.3
85	57.0	45.4	68.2
99	62.5	50.4	75.6

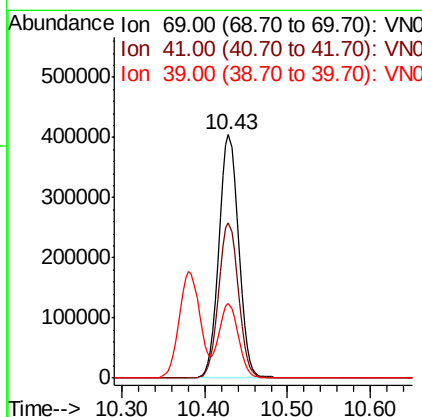
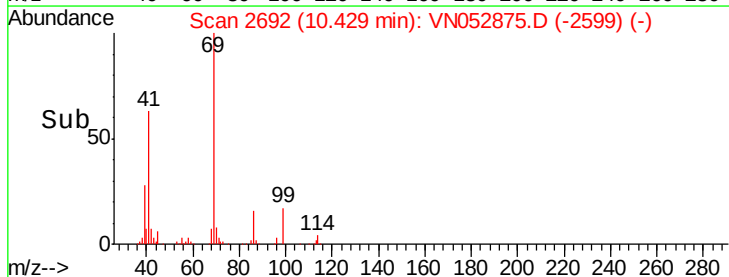
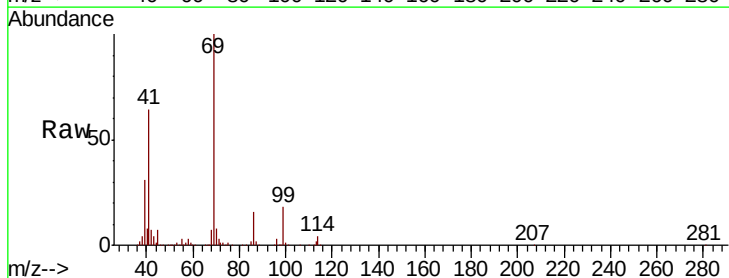
Manual Integrations
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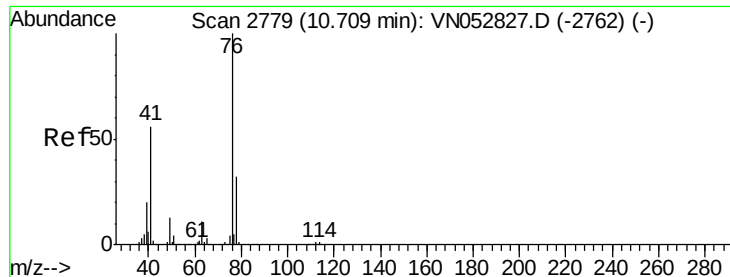
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 12/14/2018 9:03:21 AM



#56
 Ethyl methacrylate
 Concen: 52.059 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Tgt Ion:	69	Resp:	663381
Ion	Ratio	Lower	Upper
69	100		
41	63.5	51.7	77.5
39	30.3	24.6	37.0





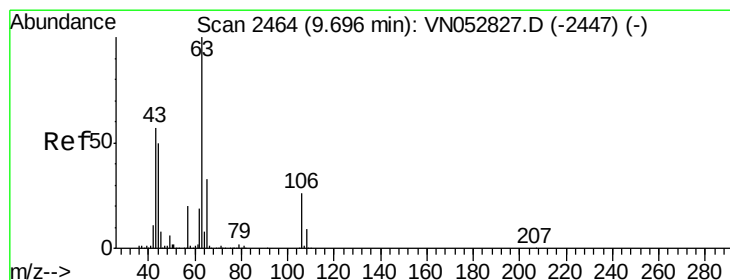
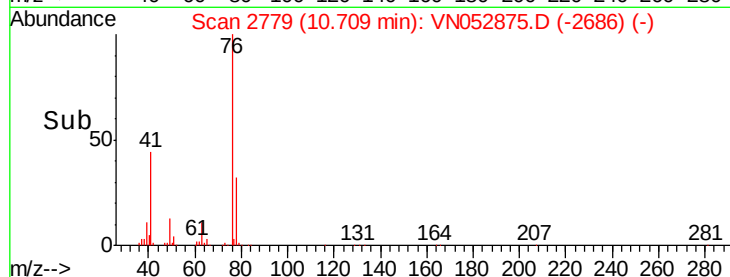
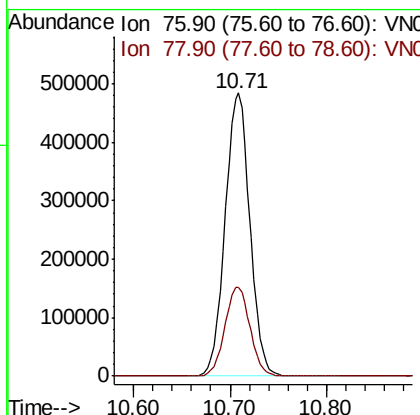
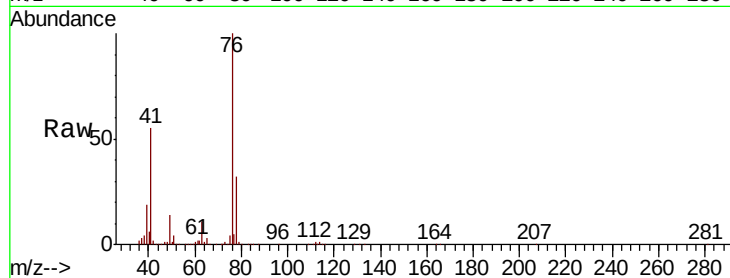
#57
 1,3-Dichloropropane
 Concen: 50.358 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

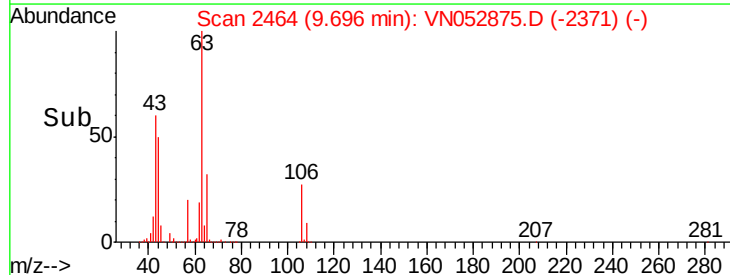
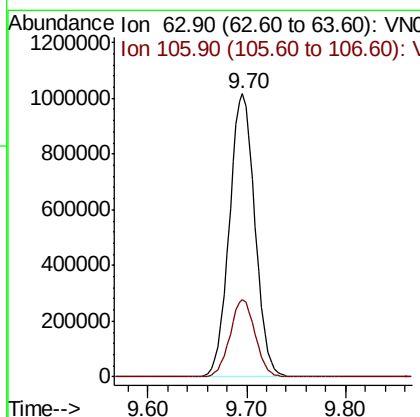
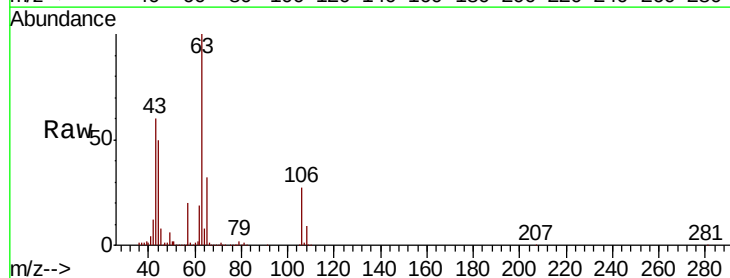
Manual Integrations
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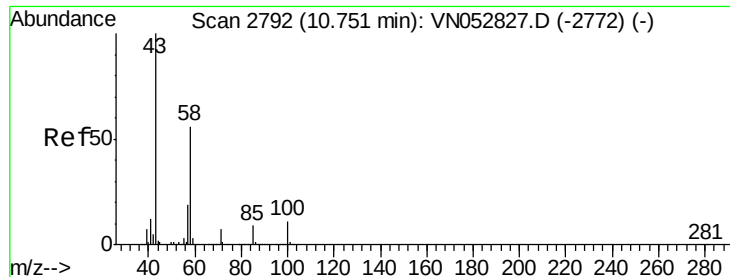
MMDadoda
 12/14/2018 9:03:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.350 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.0	31.6





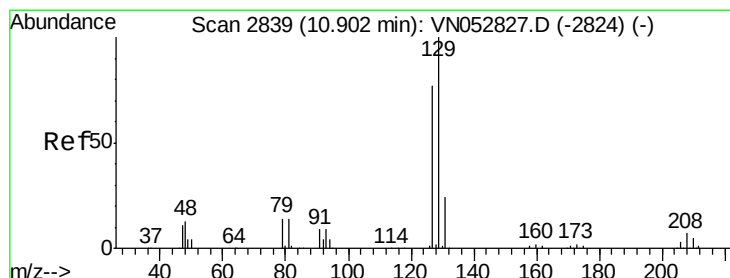
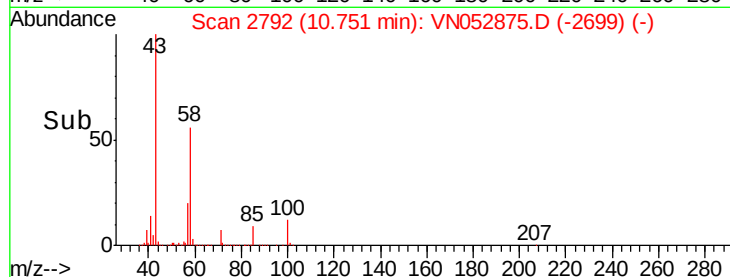
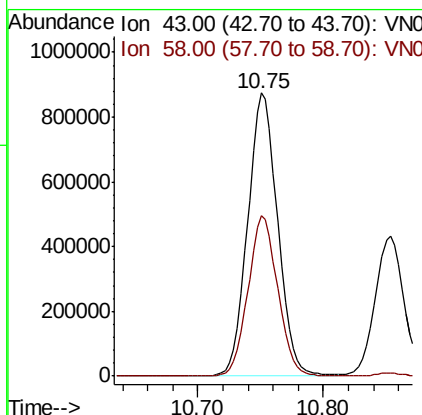
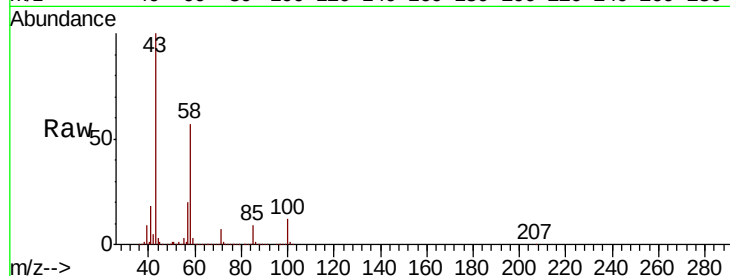
#59
2-Hexanone
Concen: 245.068 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1451426
Ion Ratio Lower Upper
43 100
58 56.4 28.1 84.3

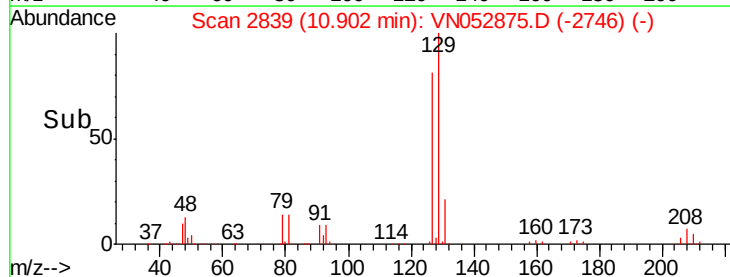
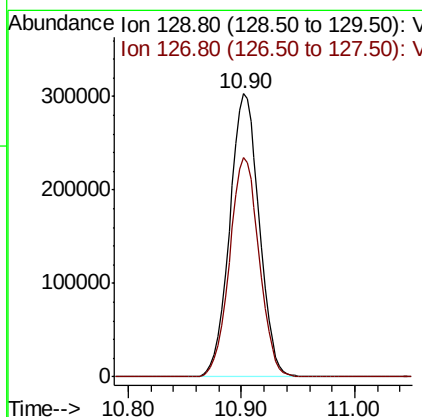
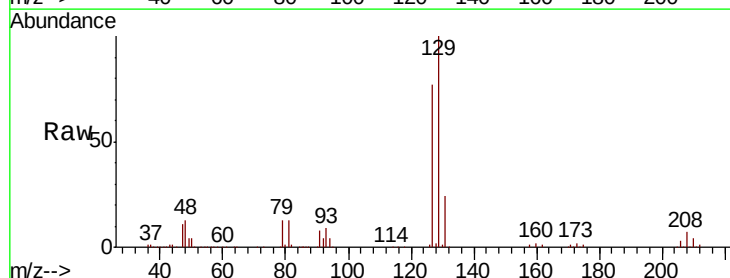
Manual Integrations
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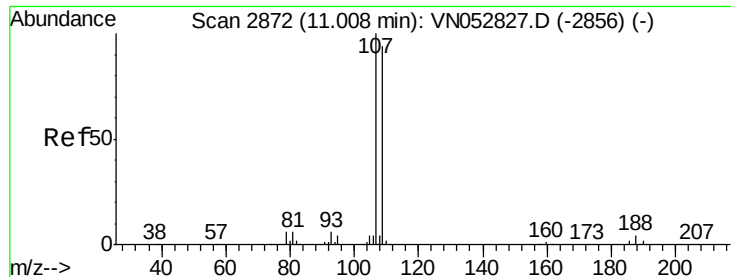
MMDadoda
12/14/2018 9:03:21 AM



#60
Dibromochloromethane
Concen: 51.170 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion: 129 Resp: 549119
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.375 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 494426

Ion Ratio Lower Upper

107 100

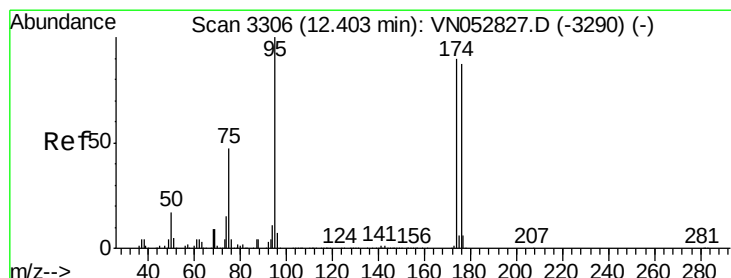
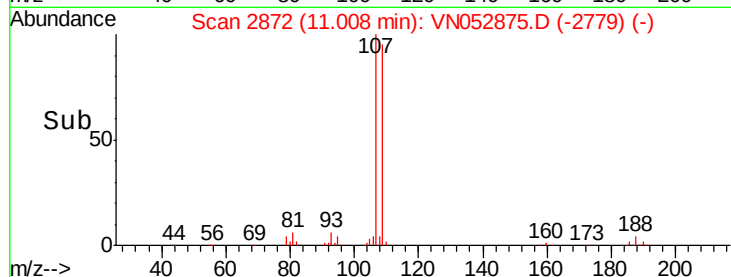
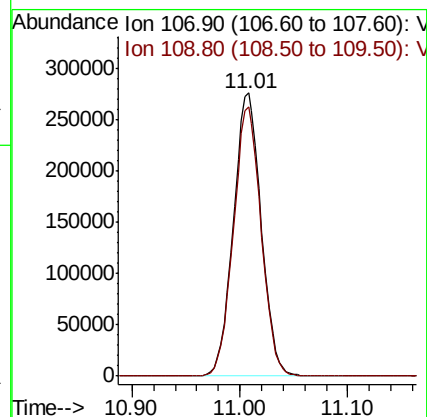
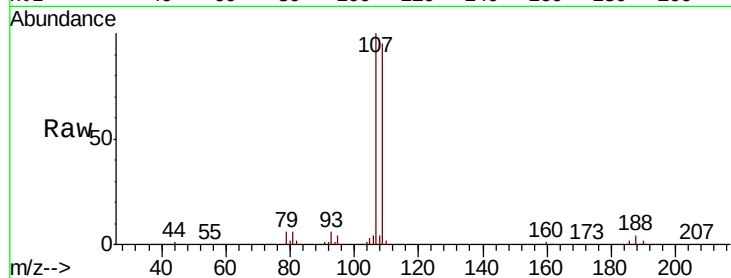
109 95.0 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 50.375 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

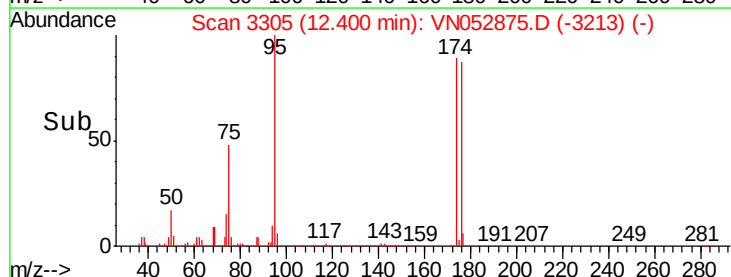
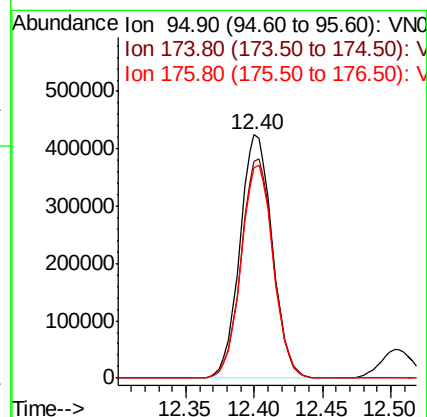
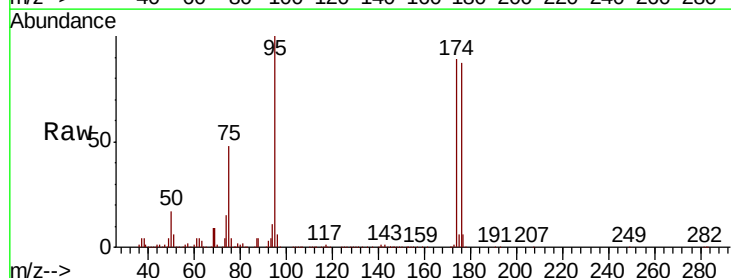
Tgt Ion: 95 Resp: 696837

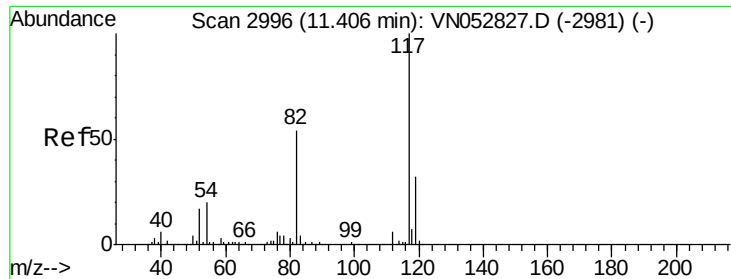
Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.8

176 87.3 0.0 173.8





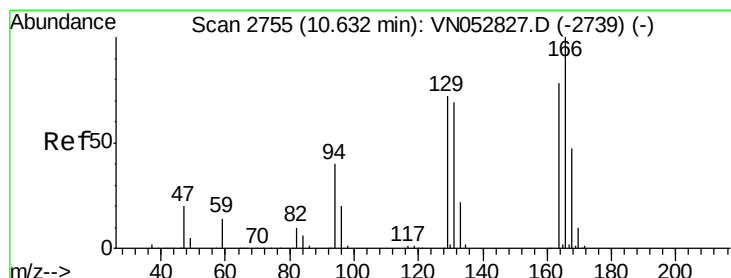
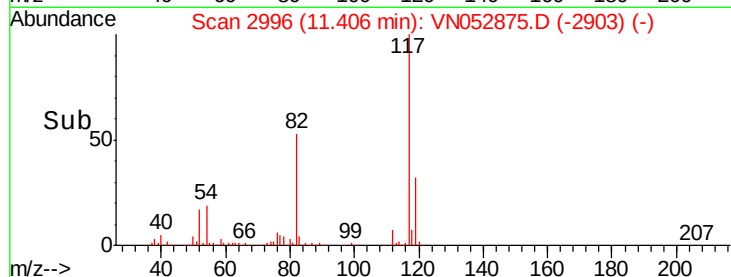
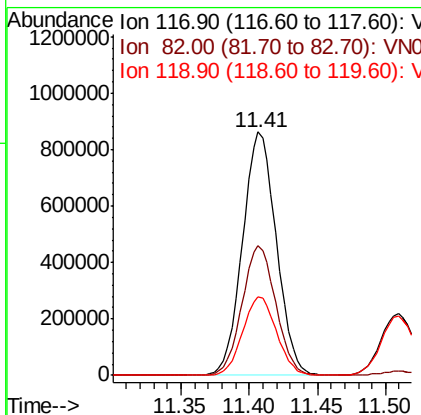
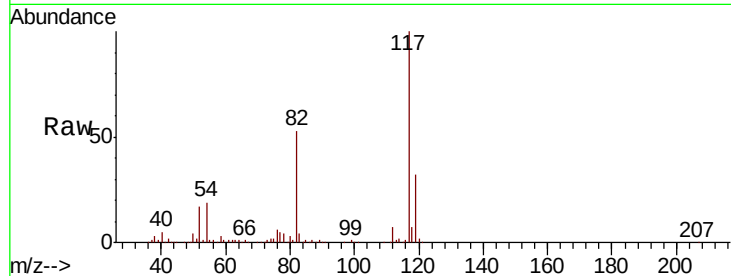
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.8	64.2
119	32.2	25.5	38.3

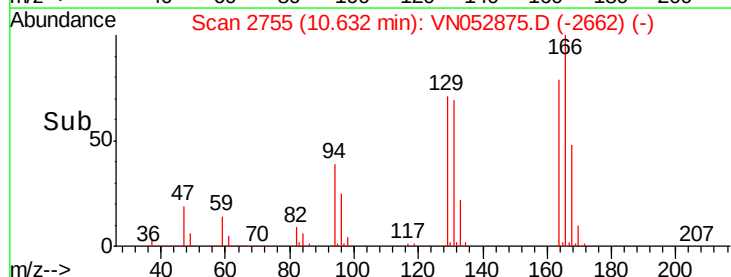
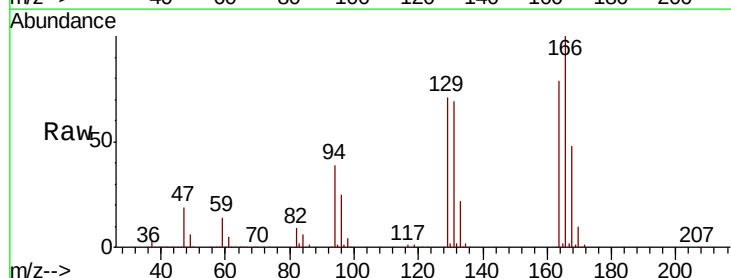
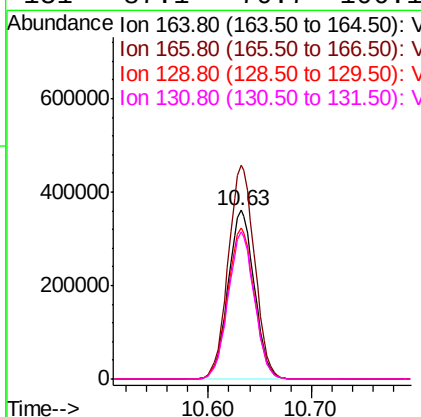
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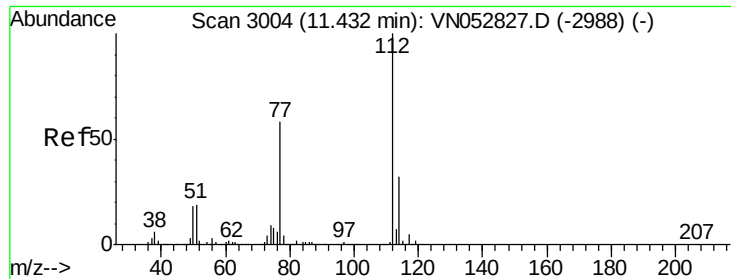
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#64
Tetrachloroethene
Concen: 50.119 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.9	154.3
129	89.5	73.7	110.5
131	87.1	70.7	106.1





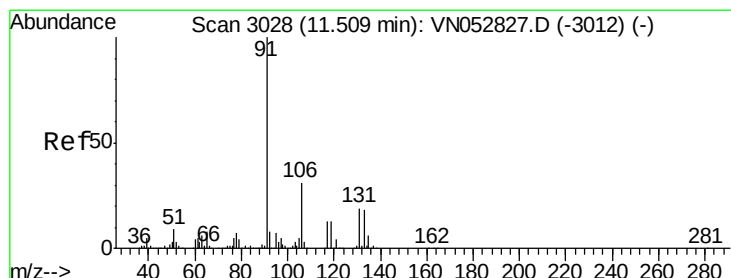
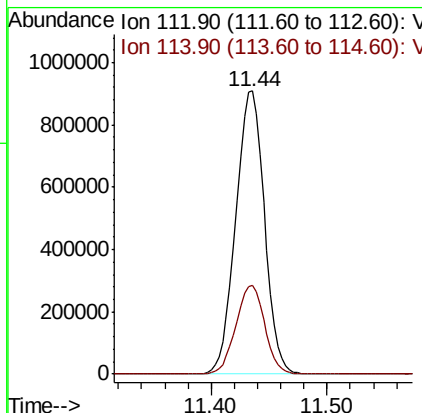
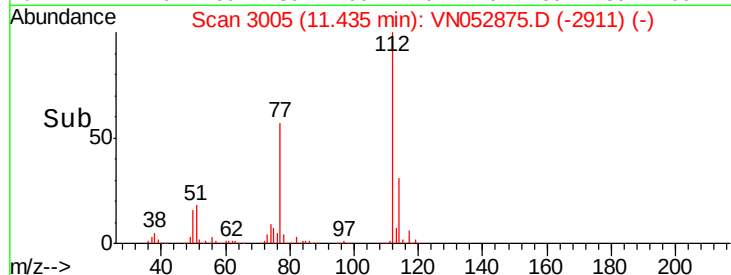
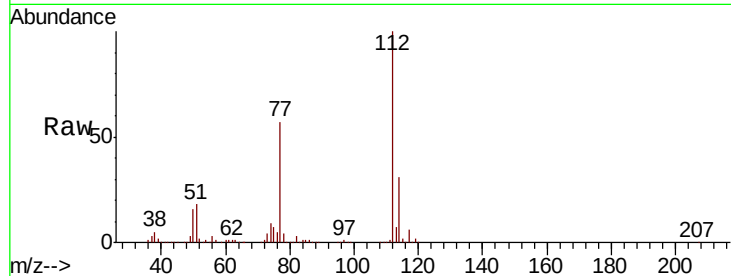
#65
Chlorobenzene
Concen: 50.564 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1555729
Ion Ratio Lower Upper
112 100
114 31.2 25.5 38.3

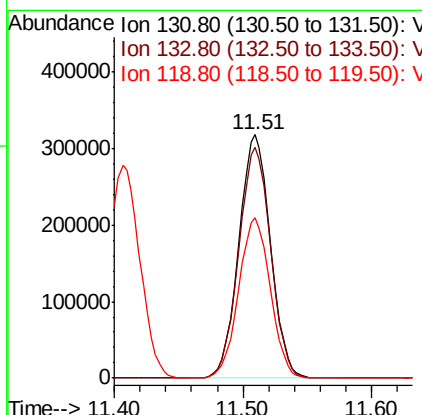
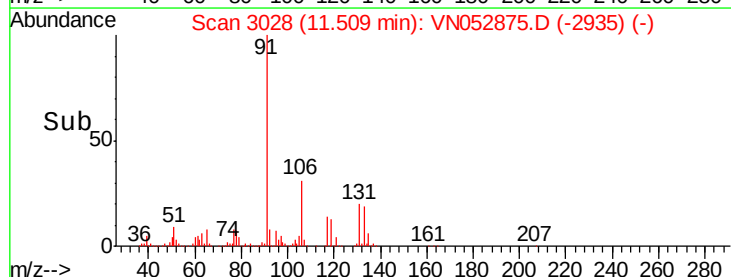
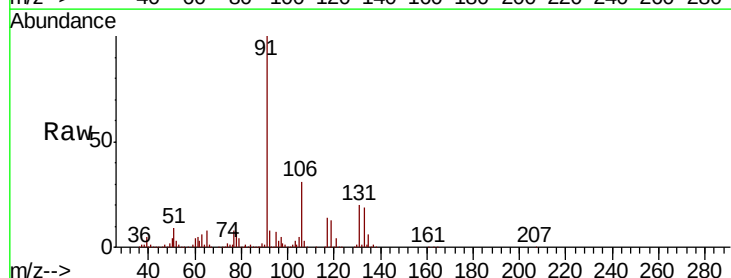
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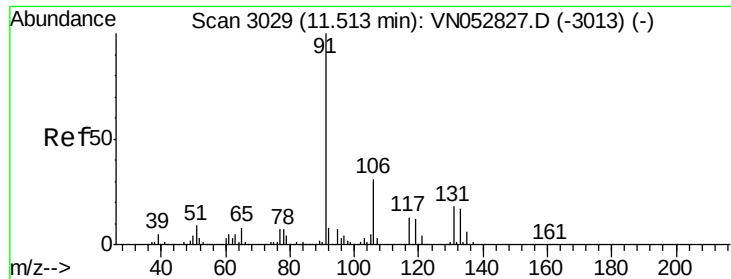
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.643 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion:131 Resp: 541911
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.9
119 66.3 33.3 99.8





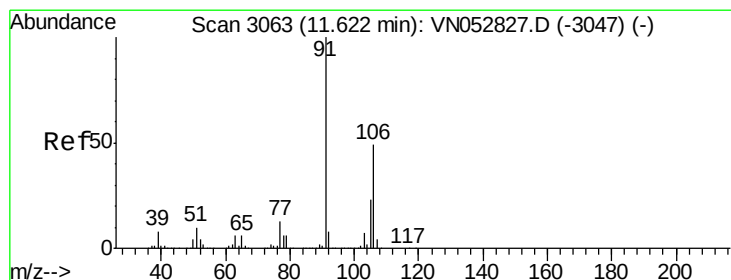
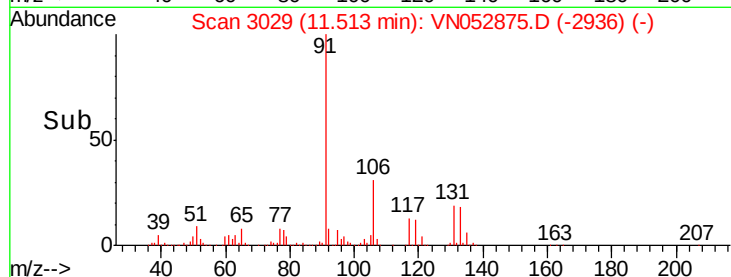
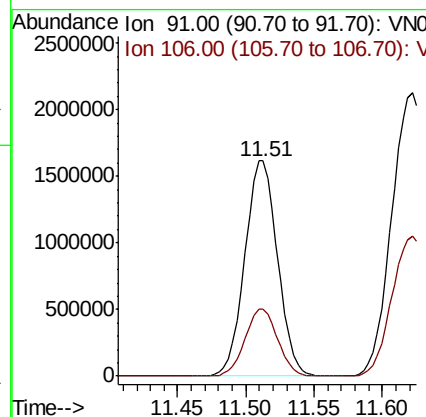
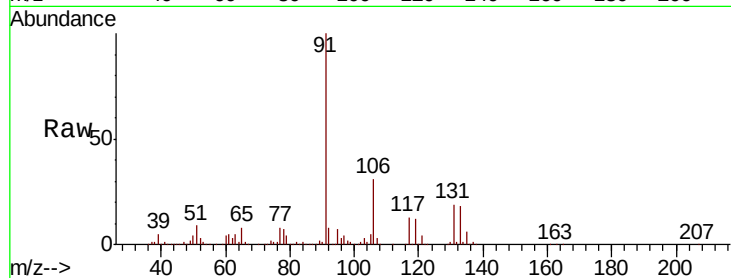
#67
Ethyl Benzene
Concen: 50.809 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2684590
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

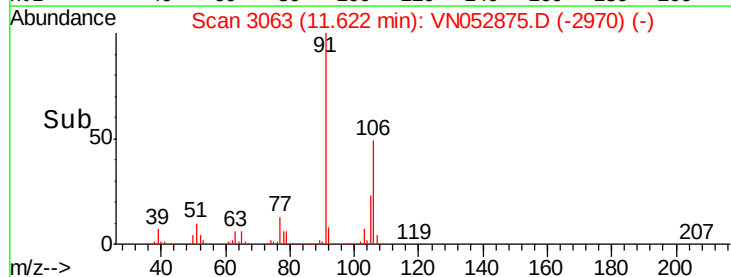
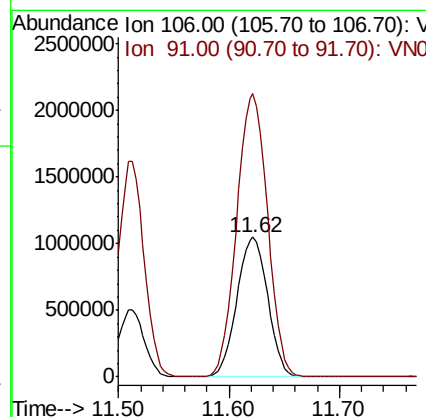
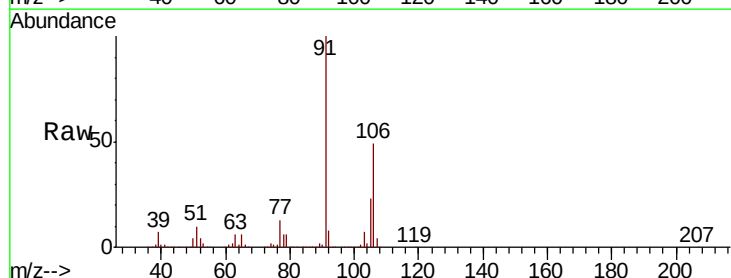
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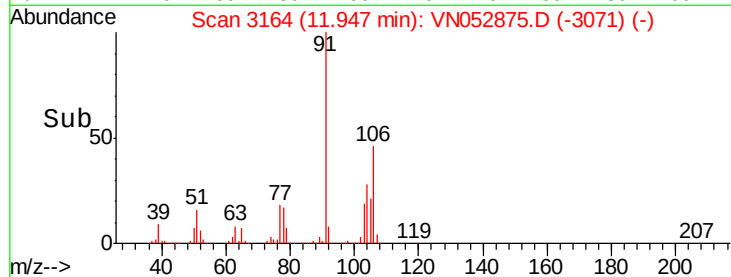
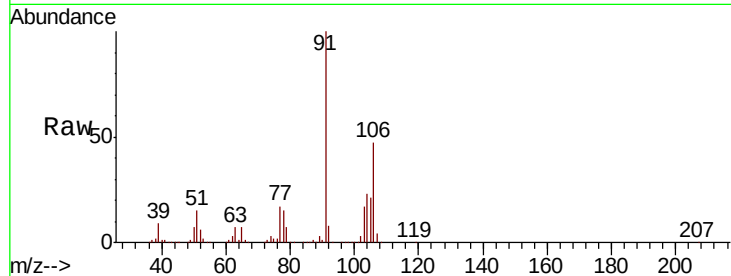
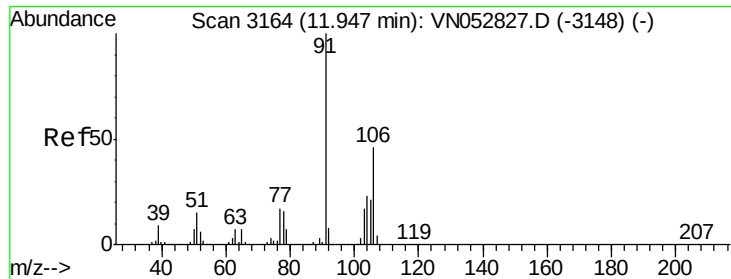
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#68
m/p-Xylenes
Concen: 102.167 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion: 106 Resp: 2026985
Ion Ratio Lower Upper
106 100
91 202.6 162.2 243.4





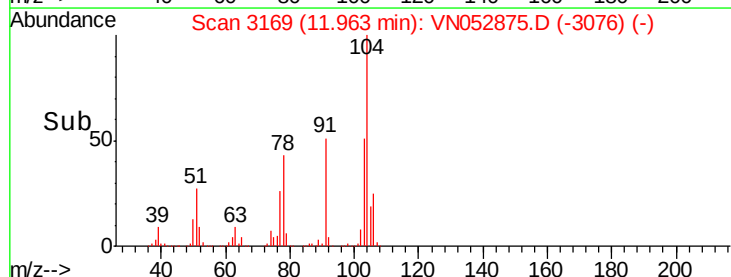
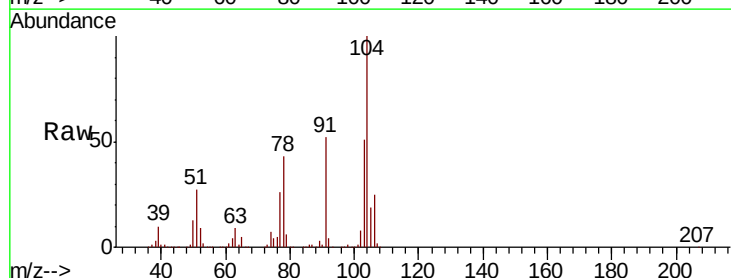
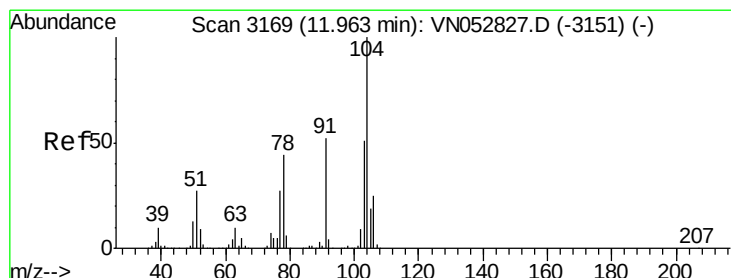
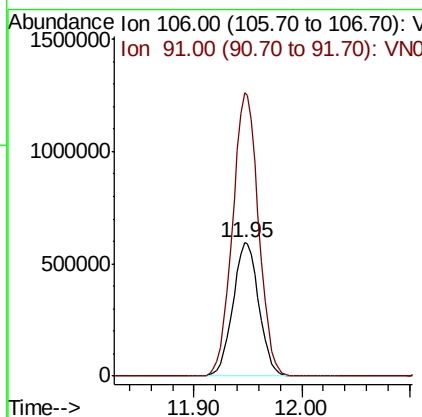
#69
o-Xylene
Concen: 51.243 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tot Ion:106 Resp: 992743
Ion Ratio Lower Upper
106 100
91 212.8 106.6 319.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

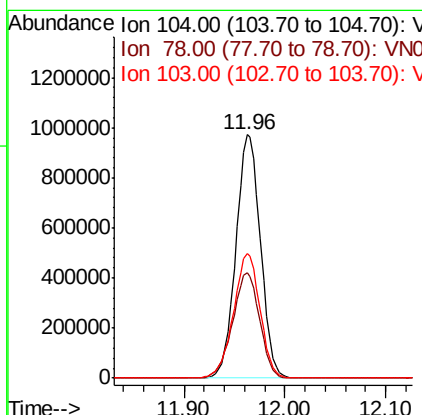
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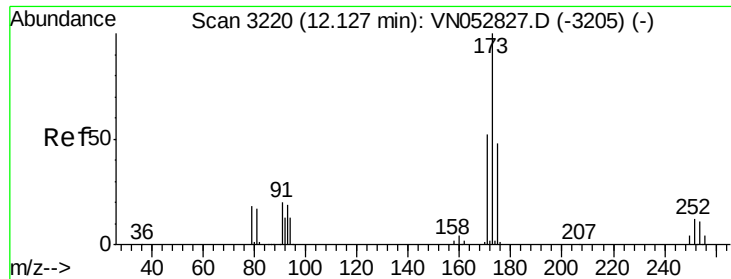
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#70
Styrene
Concen: 52.467 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion:104 Resp: 1633983
Ion Ratio Lower Upper
104 100
78 47.7 38.9 58.3
103 55.4 44.3 66.5





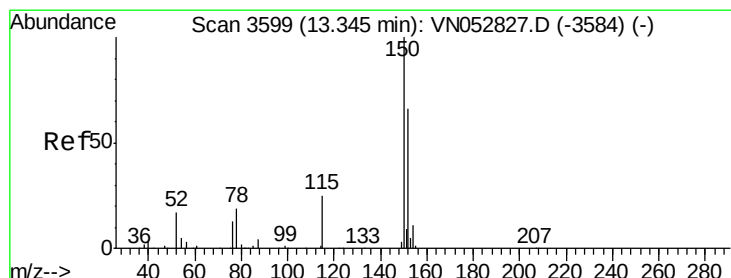
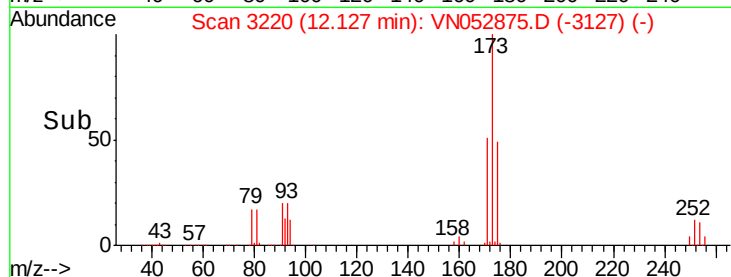
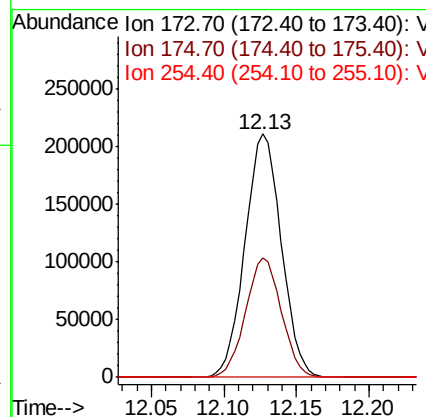
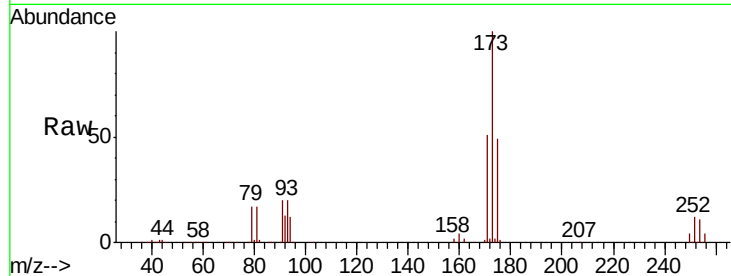
#71
Bromoform
Concen: 50.613 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.9
254	0.1	0.1	0.1

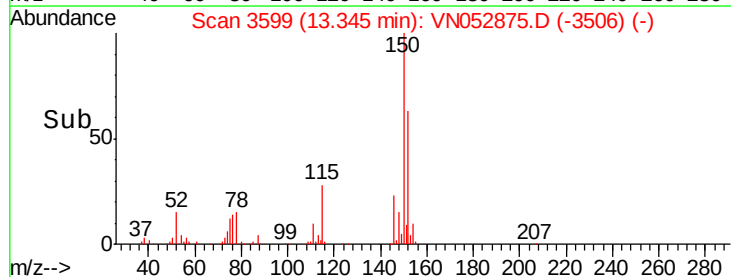
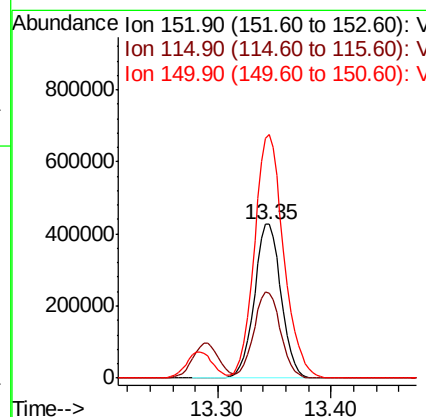
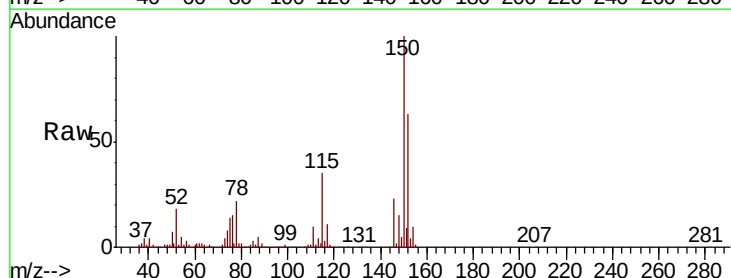
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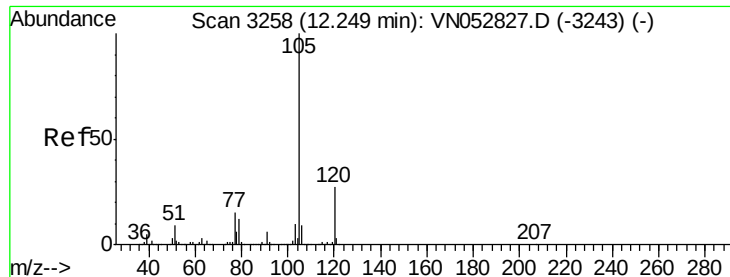
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.3	85.0
150	173.3	0.0	347.8





#73

Isopropylbenzene

Concen: 50.281 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2622367

Ion Ratio Lower Upper

105 100

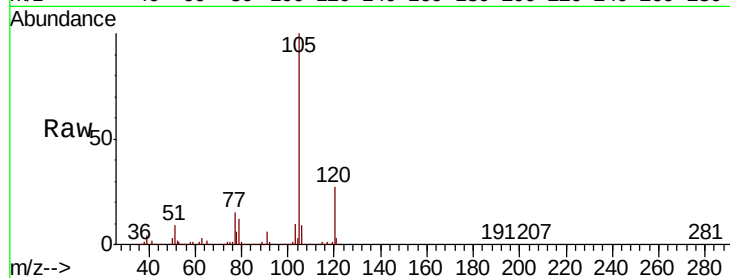
120 26.6 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

1500000

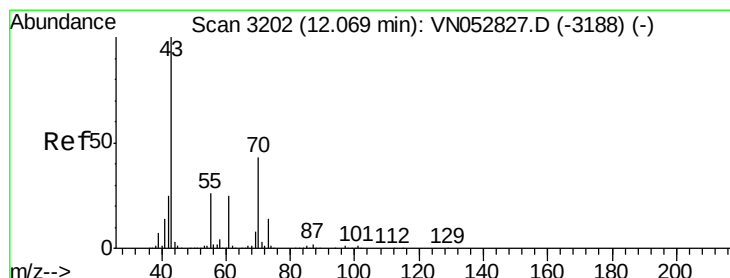
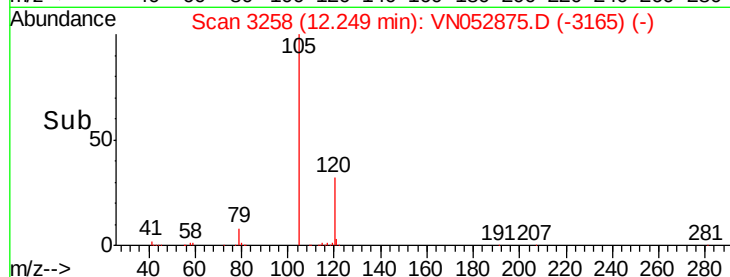
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 50.178 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Tgt Ion: 43 Resp: 718474

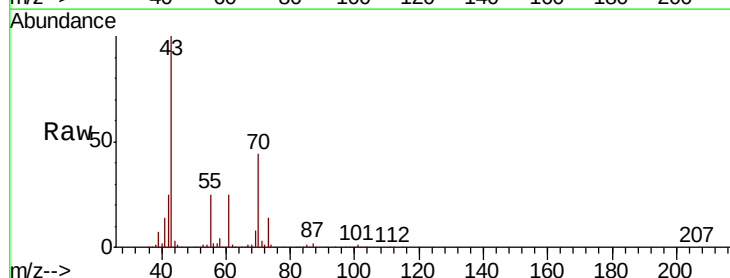
Ion Ratio Lower Upper

43 100

70 43.9 34.2 51.4

55 25.1 20.3 30.5

61 25.3 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

600000

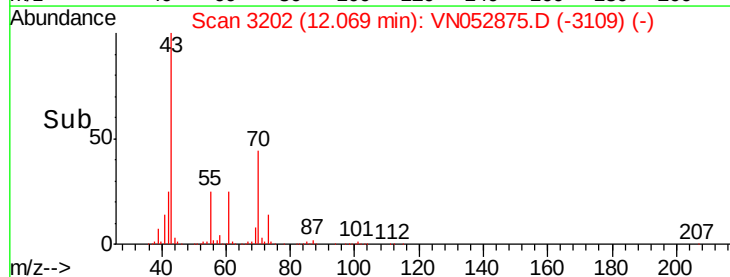
400000

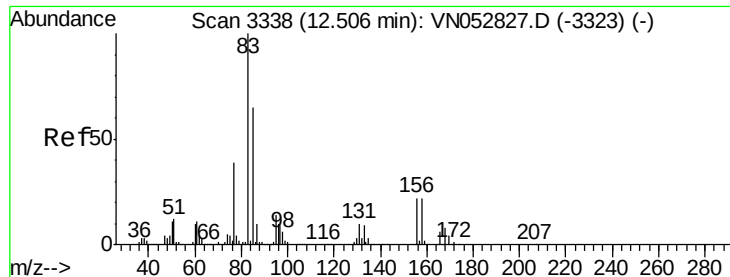
200000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 48.381 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 565503
Ion Ratio Lower Upper

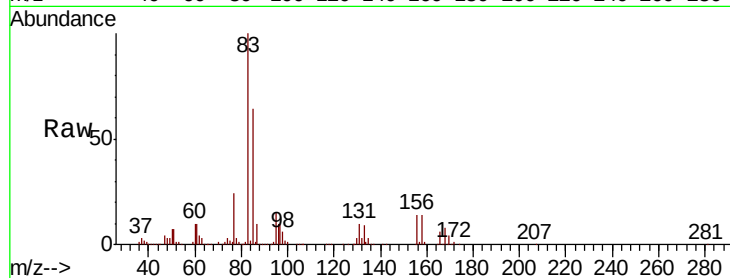
83 100

131 10.3 5.2 15.6

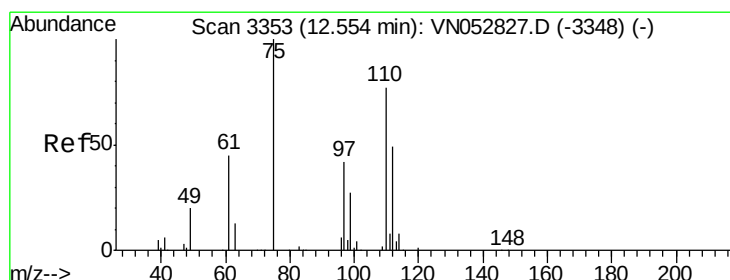
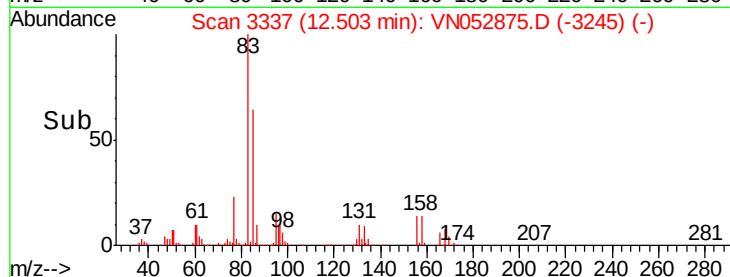
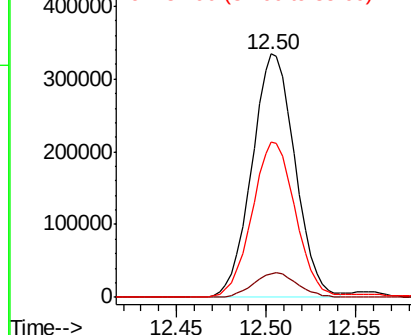
85 64.0 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 47.642 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

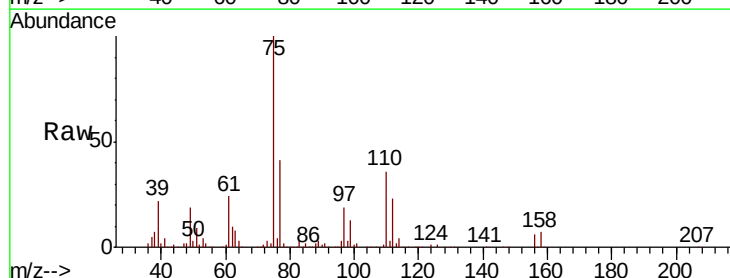
Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

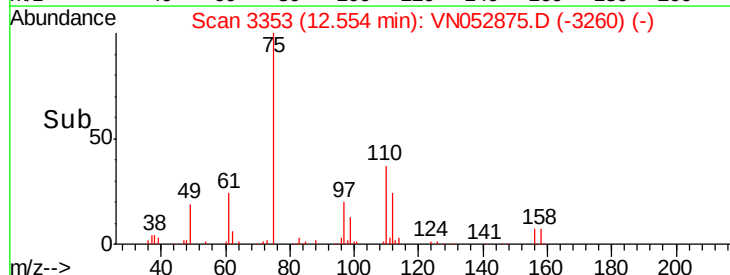
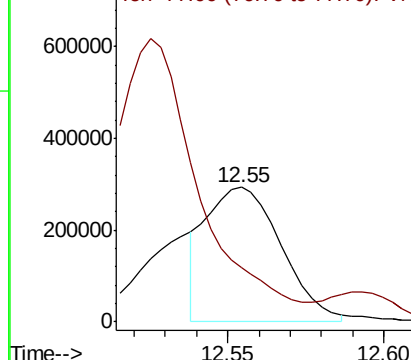
Tgt Ion: 75 Resp: 490989
Ion Ratio Lower Upper

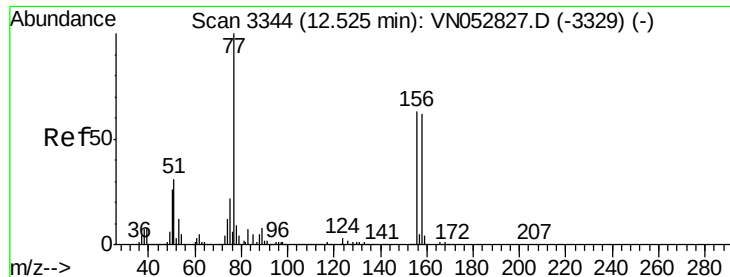
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.141 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

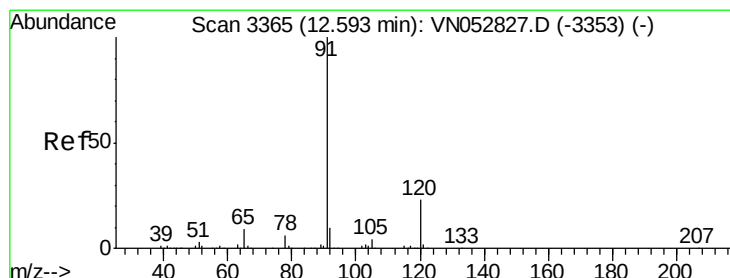
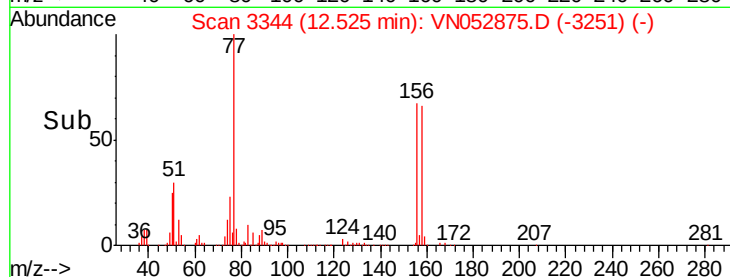
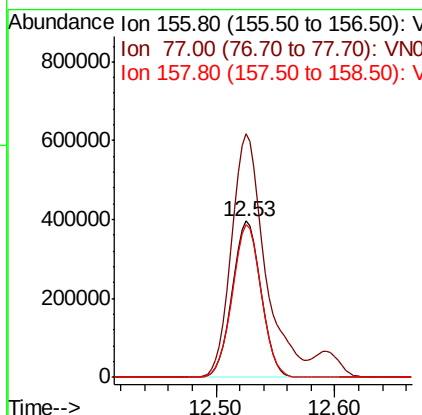
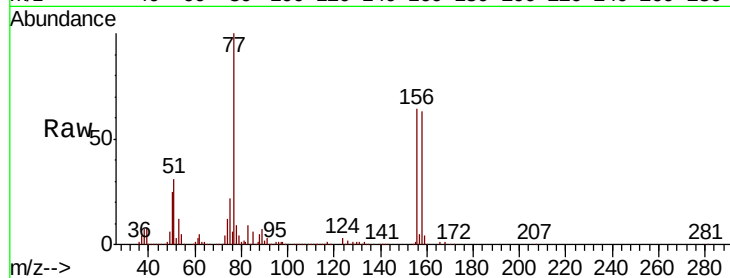
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	665129
Ion Ratio	Lower	Upper	
156	100		
77	181.5	91.3	273.8
158	98.1	49.0	147.2

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#78

n-propylbenzene

Concen: 50.529 ug/l

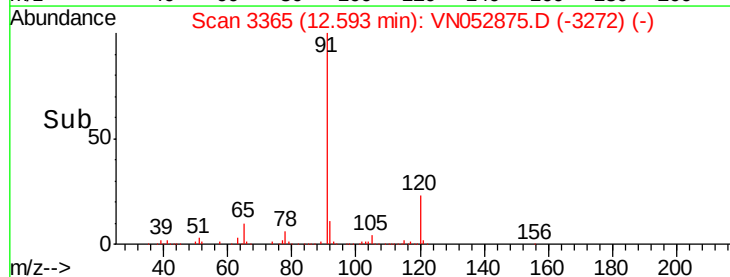
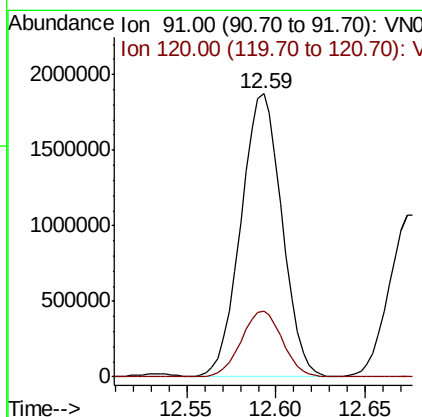
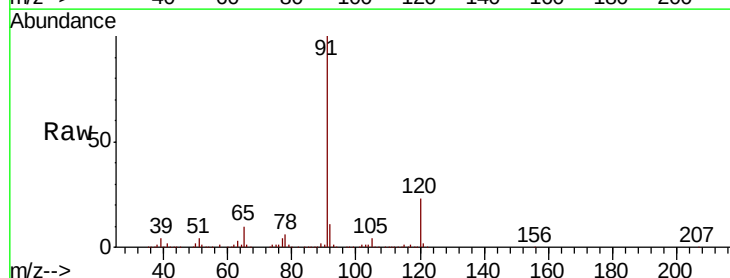
RT: 12.59 min Scan# 3365

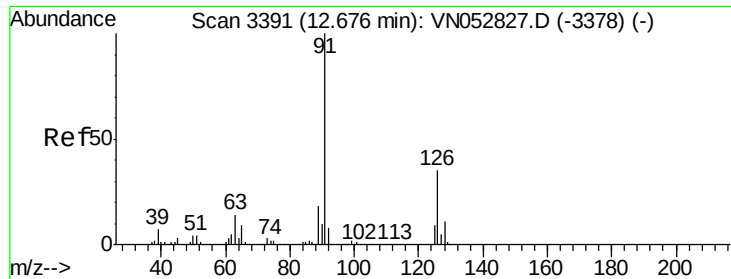
Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Tgt Ion:	91	Resp:	3005499
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 49.809 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1751497

Ion Ratio Lower Upper

91 100

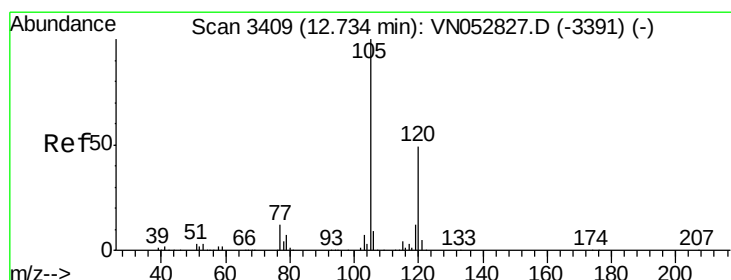
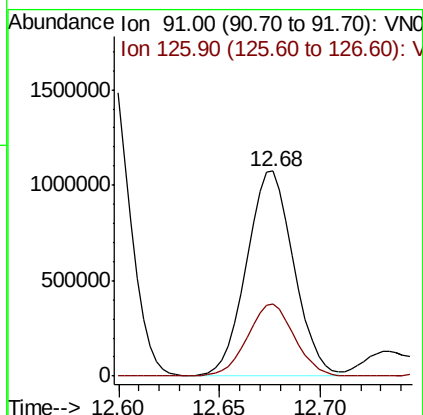
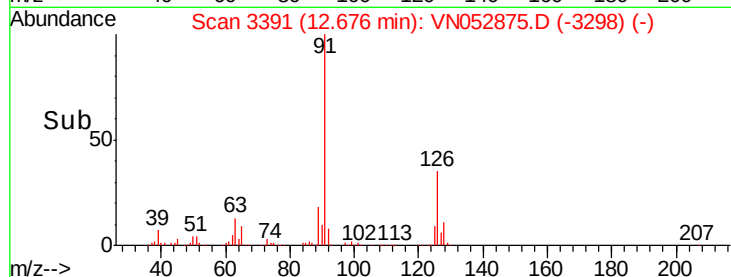
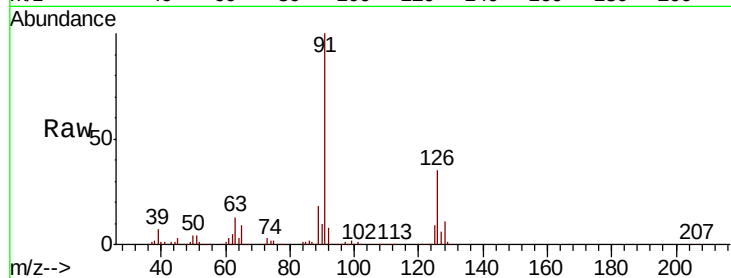
126 35.1 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 50.531 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052875.D

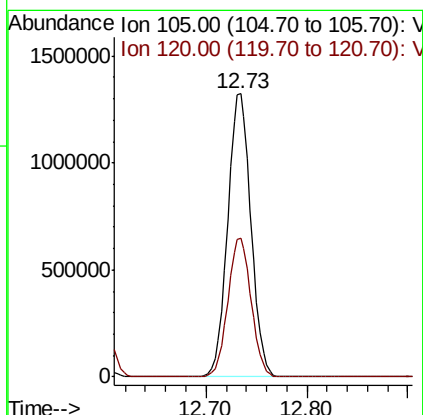
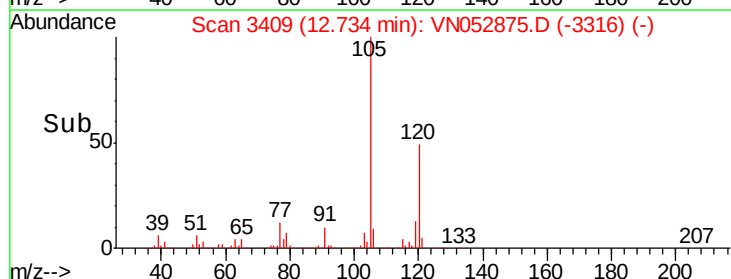
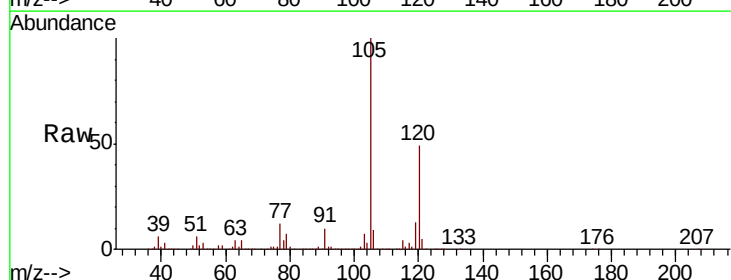
Acq: 13 Dec 2018 20:01

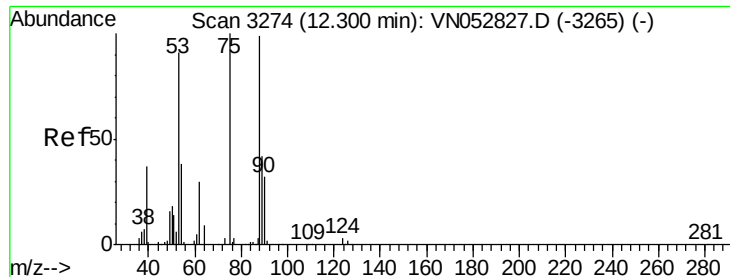
Tgt Ion: 105 Resp: 2127423

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2





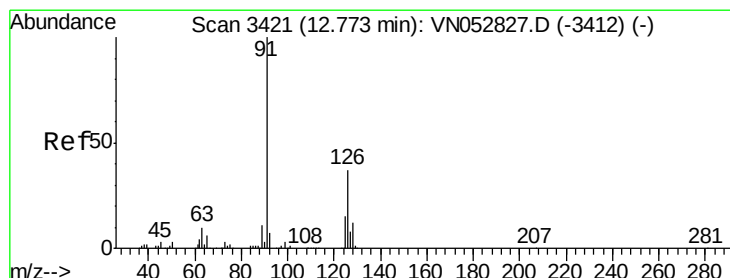
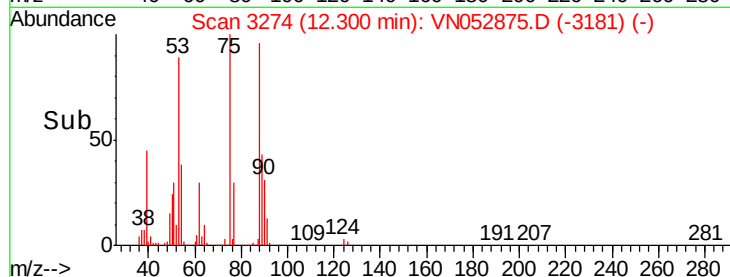
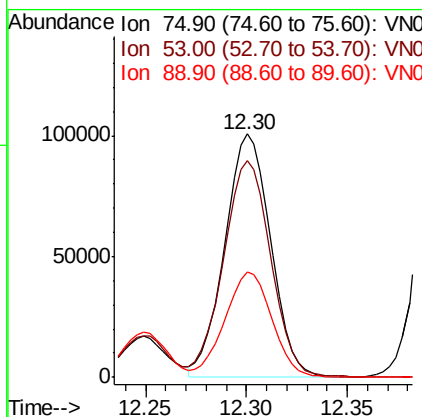
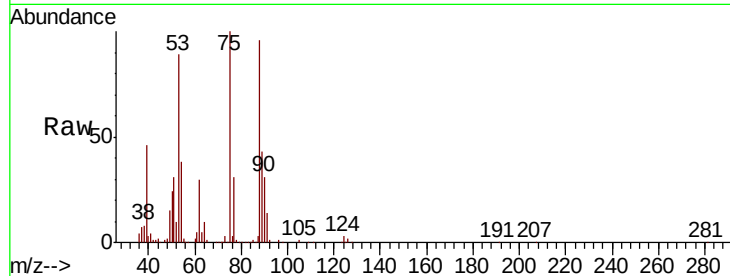
#81
trans-1,4-Dichloro-2-butene
Concen: 49.602 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.7	74.7	112.1
89	44.8	36.1	54.1

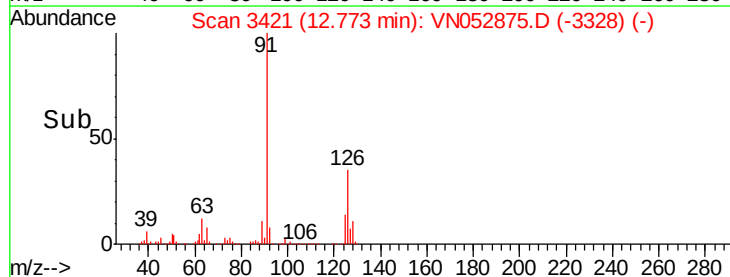
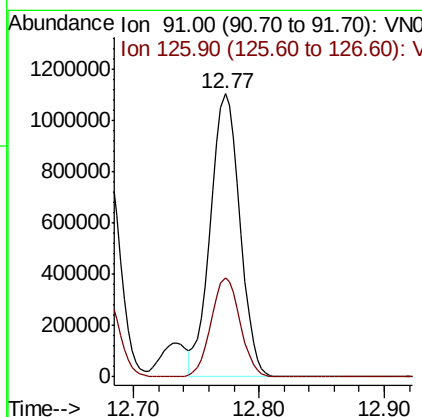
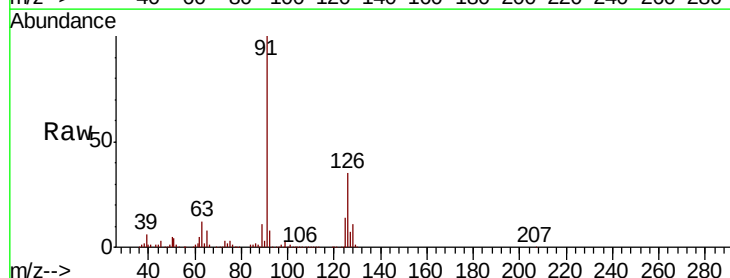
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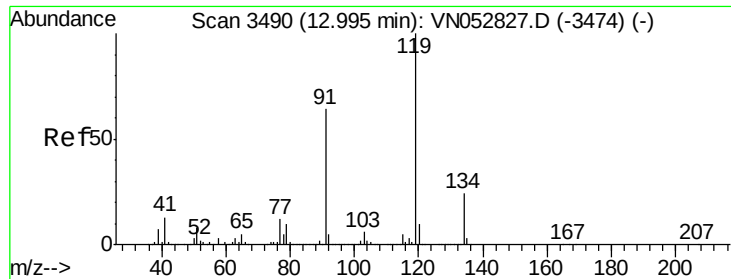
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#82
4-Chlorotoluene
Concen: 50.016 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.7





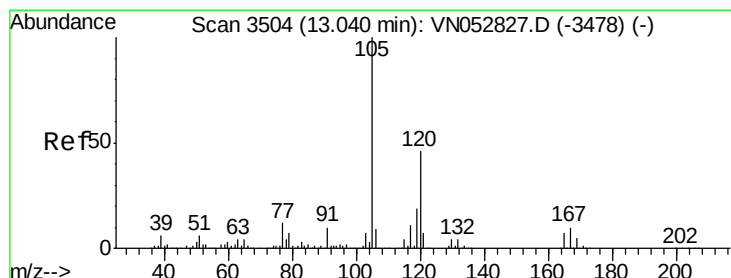
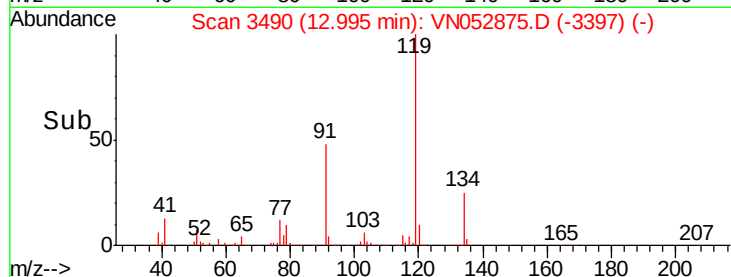
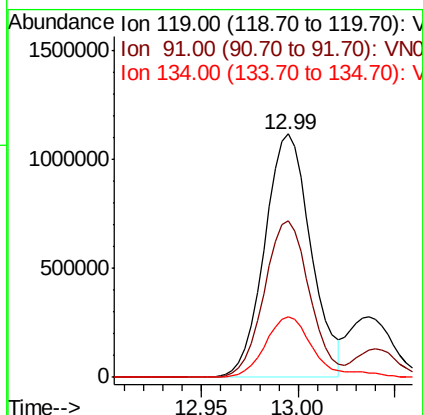
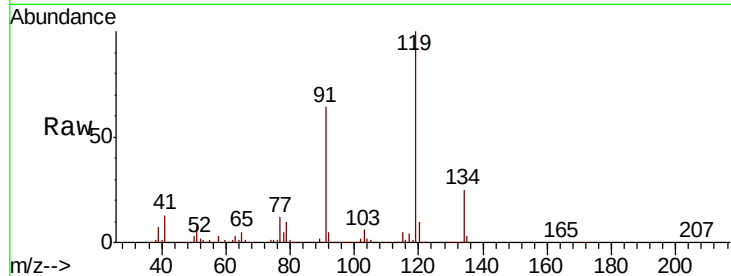
#83
 tert-Butylbenzene
 Concen: 50.098 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.9	95.5
134	26.1	12.8	38.4

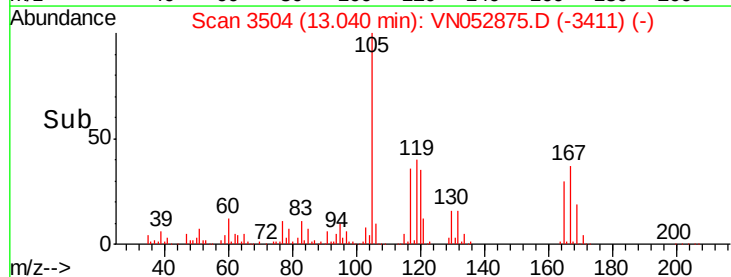
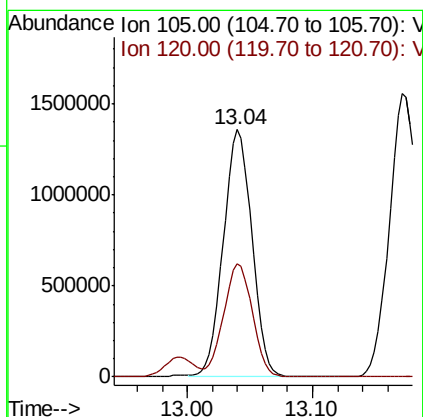
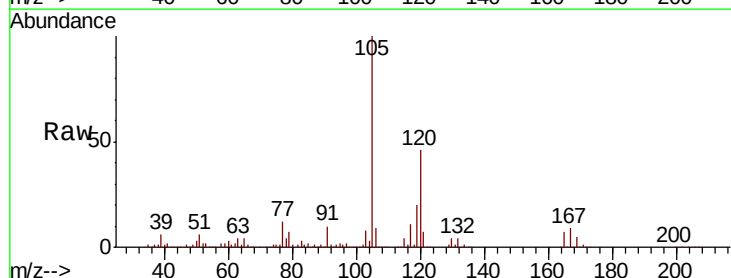
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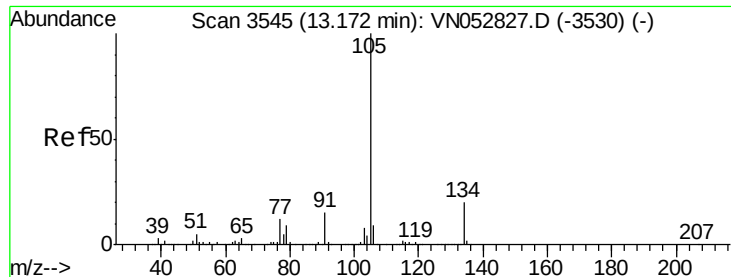
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.360 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 50.183 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2524010

Ion Ratio Lower Upper

105 100

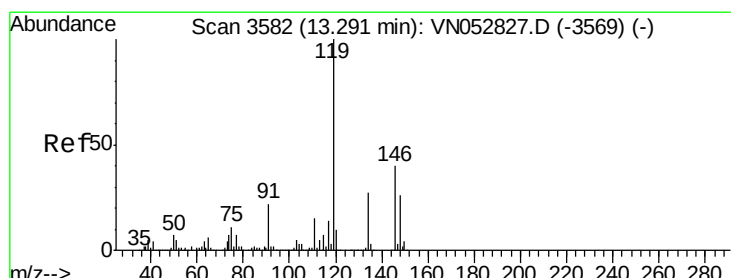
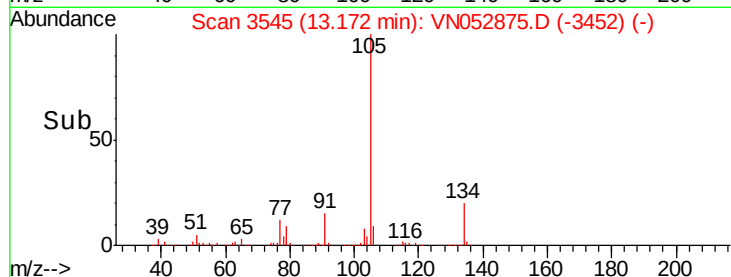
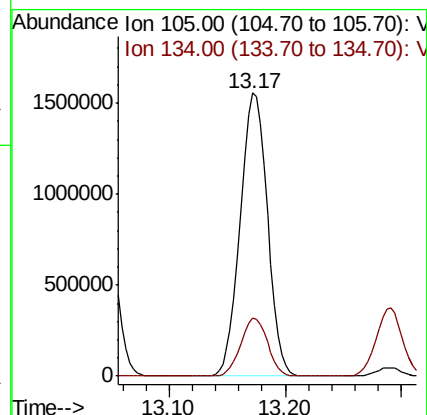
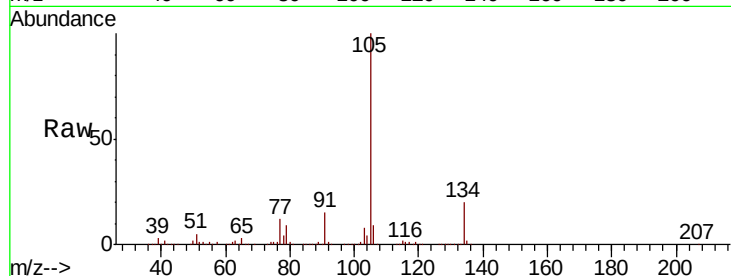
134 20.3 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 50.415 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

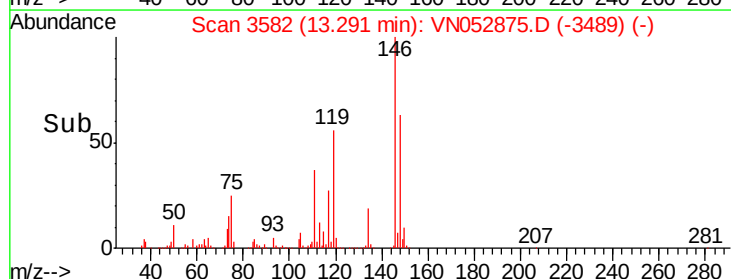
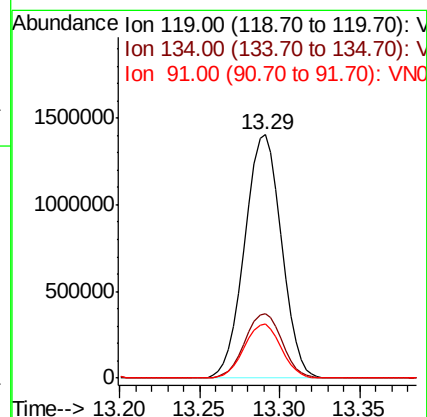
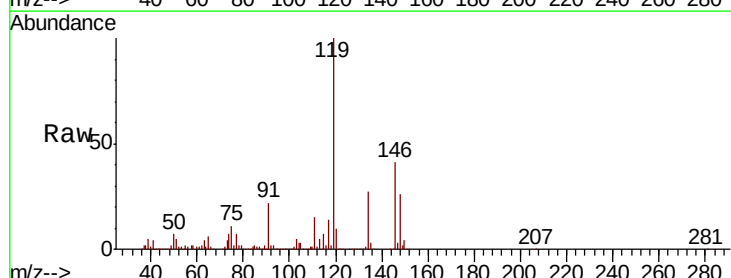
Tgt Ion:119 Resp: 2196852

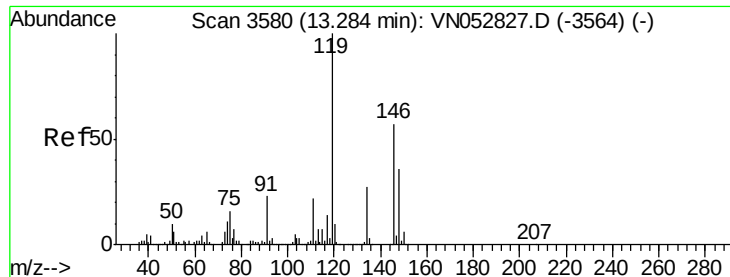
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.3 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.754 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052875.D

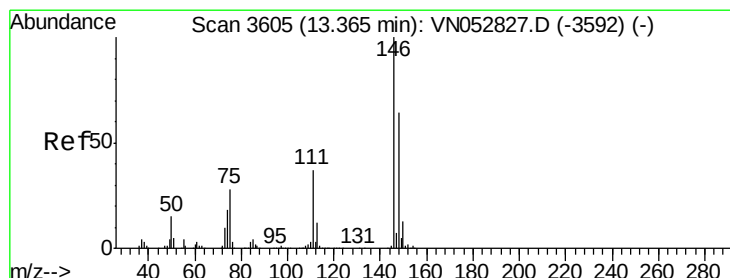
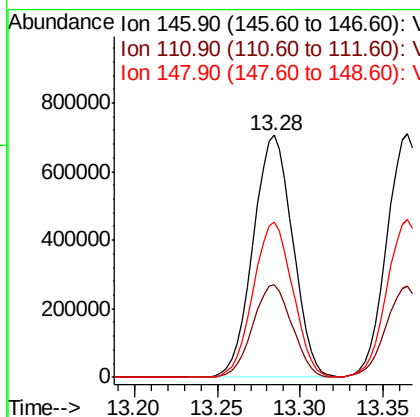
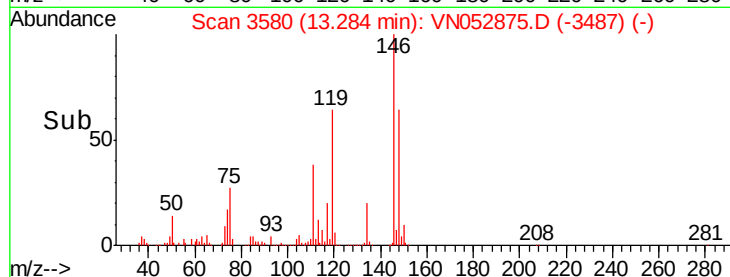
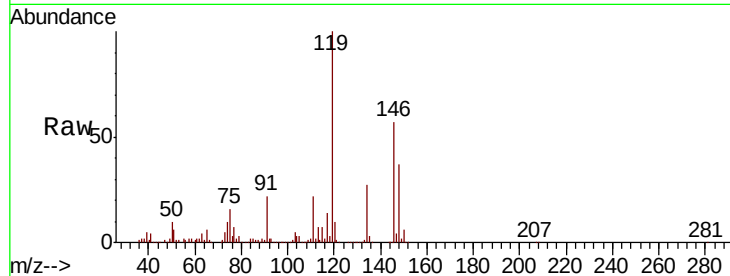
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	63.9	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 49.463 ug/l

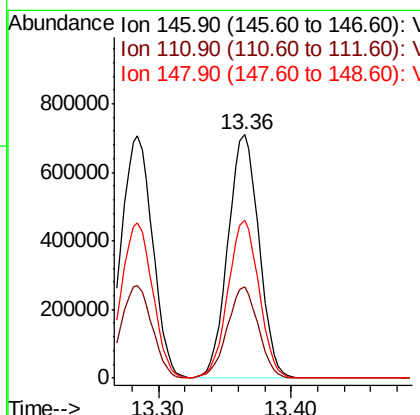
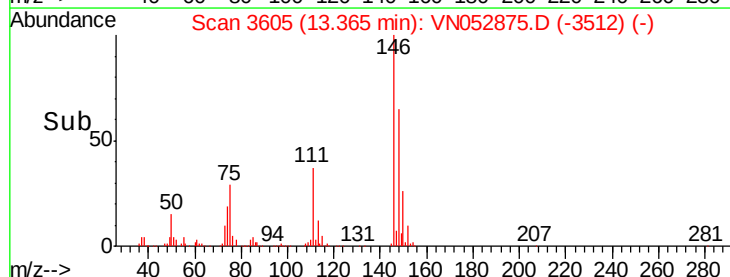
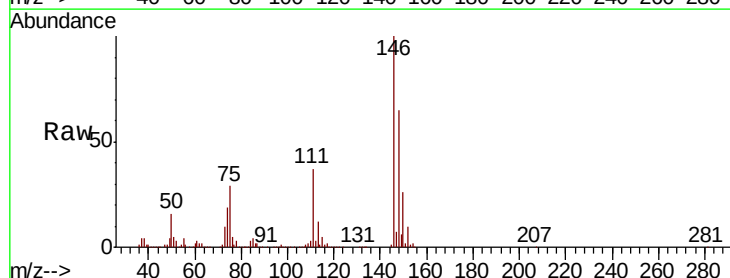
RT: 13.36 min Scan# 3605

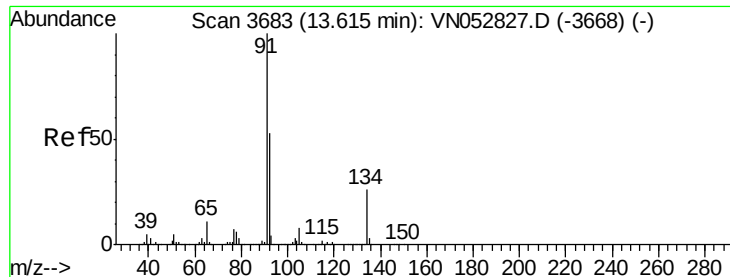
Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	64.8	32.1	96.5





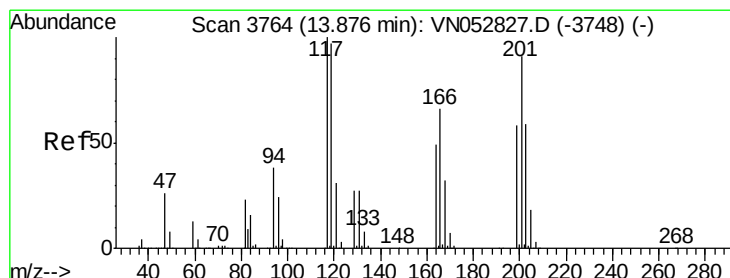
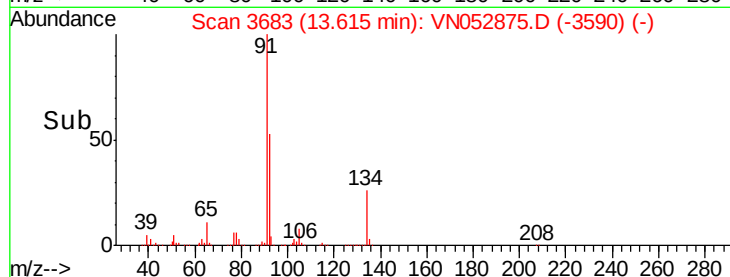
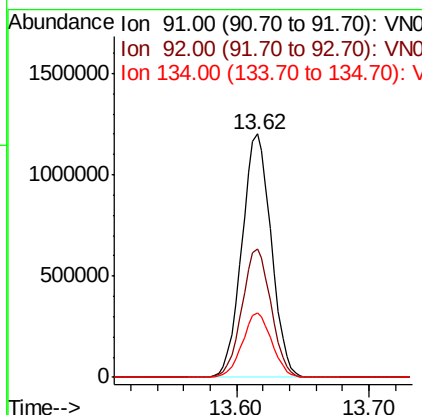
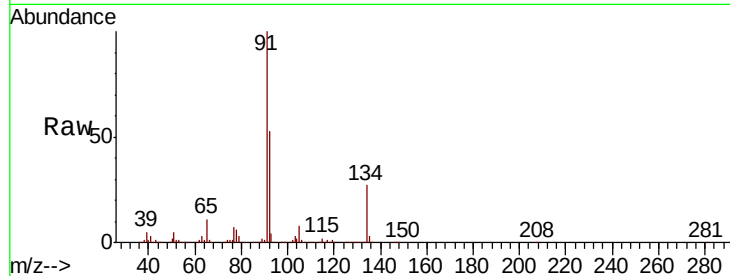
#89
n-Butylbenzene
Concen: 50.186 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1841021
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.9
134 26.3 13.3 39.8

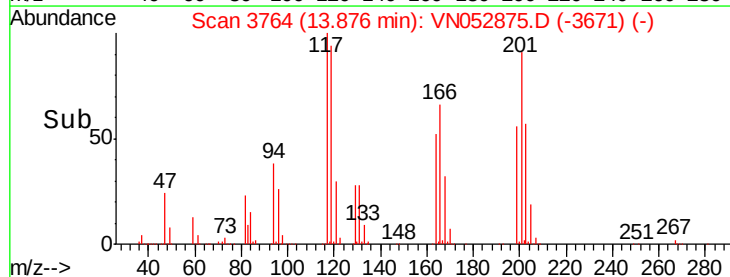
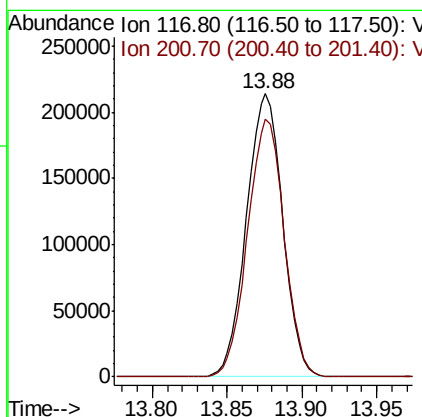
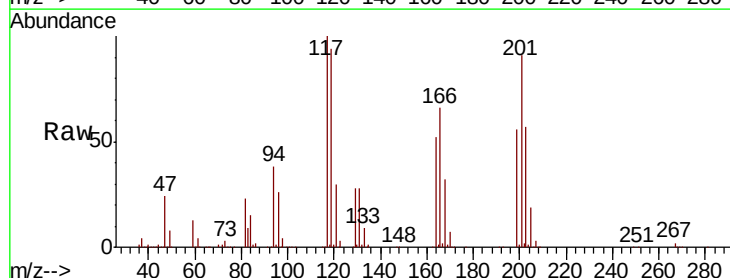
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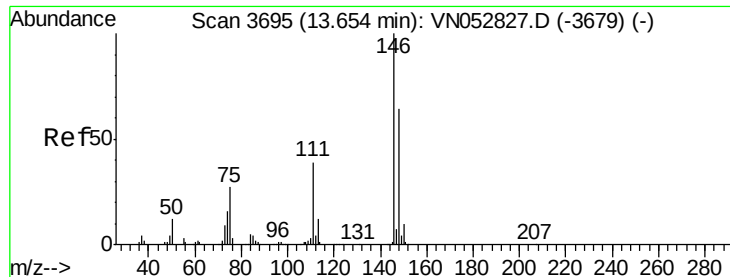
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#90
Hexachloroethane
Concen: 49.528 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052875.D
Acq: 13 Dec 2018 20:01

Tgt Ion: 117 Resp: 361390
Ion Ratio Lower Upper
117 100
201 91.6 45.7 137.1





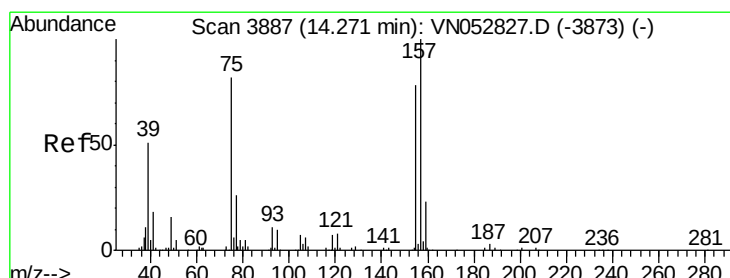
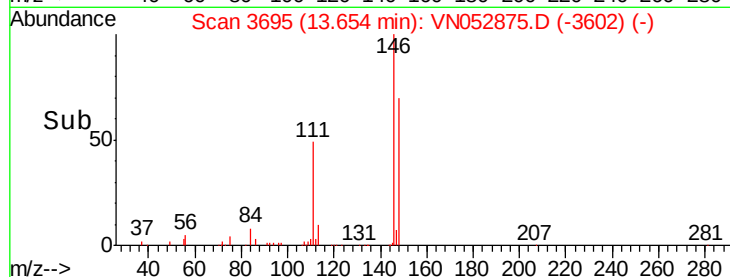
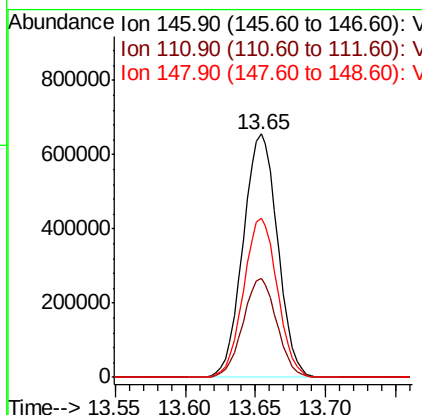
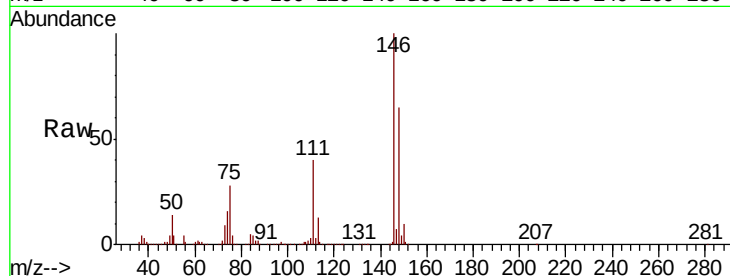
#91
 1,2-Dichlorobenzene
 Concen: 49.525 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	64.1	32.0	96.0

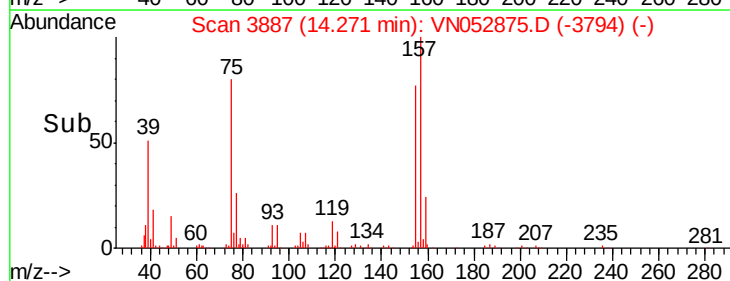
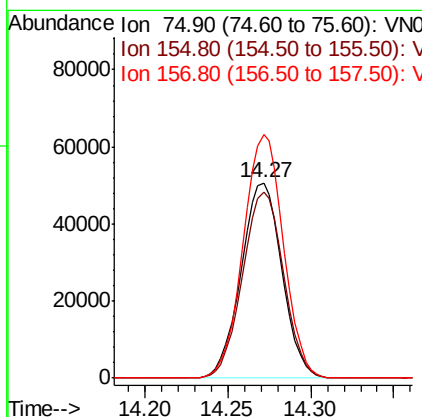
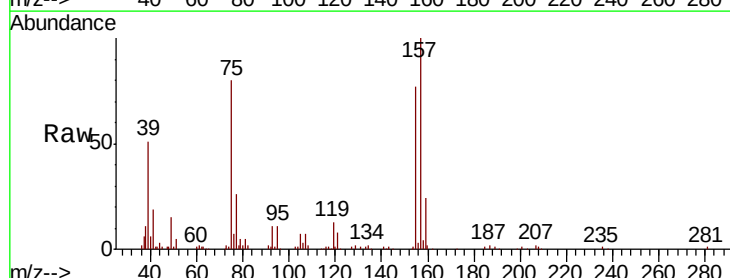
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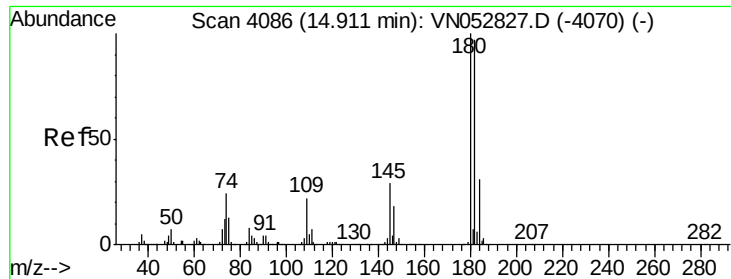
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.373 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	48.2	144.6
157	122.5	61.2	183.5





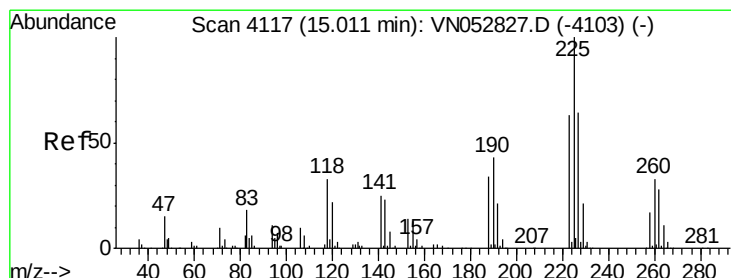
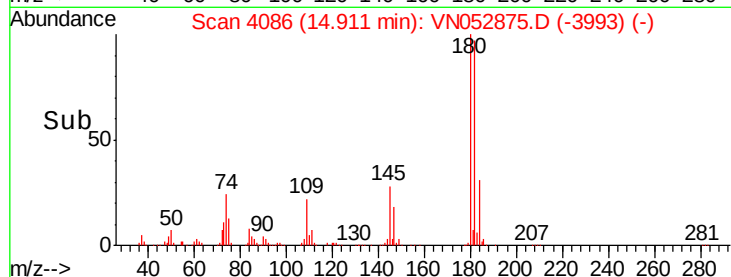
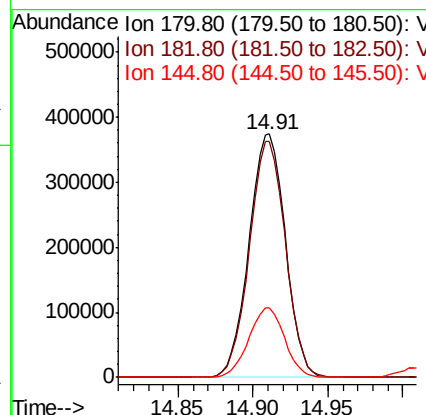
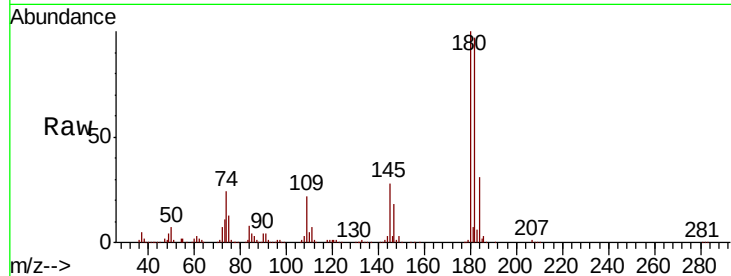
#93
 1,2,4-Trichlorobenzene
 Concen: 51.224 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.8	143.3
145	28.3	14.2	42.6

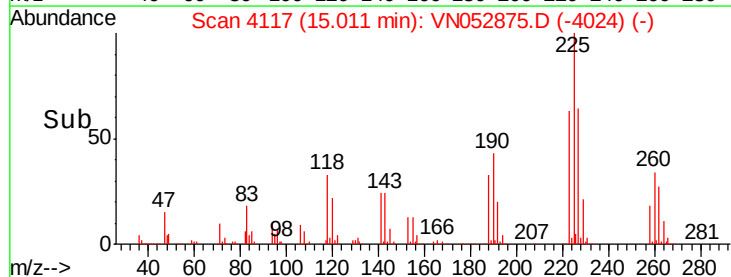
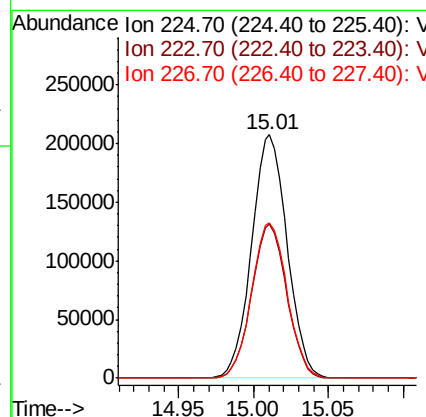
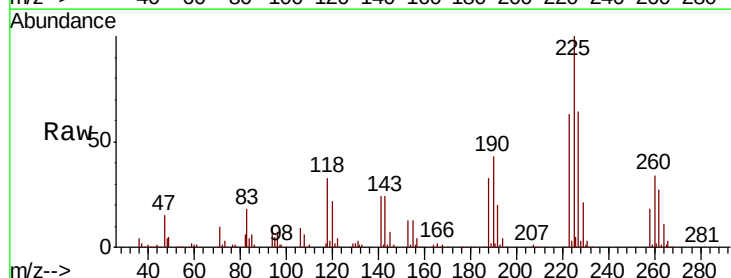
Manual Integrations
 APPROVED

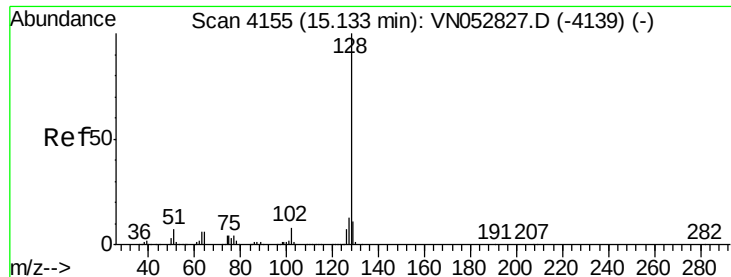
MMDadoda
 12/14/2018 9:03:21 AM



#94
 Hexachlorobutadiene
 Concen: 47.970 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052875.D
 Acq: 13 Dec 2018 20:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.5	94.5
227	64.1	31.9	95.7





#95

Naphthalene

Concen: 51.946 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1326152

Ion Ratio Lower Upper

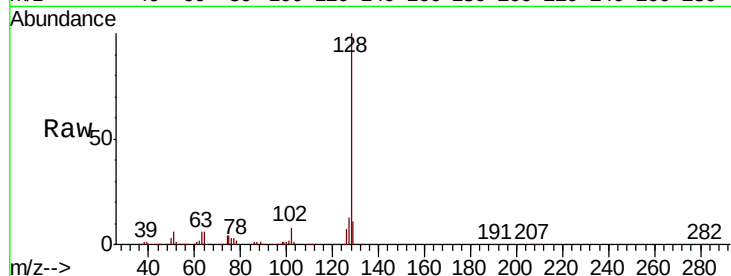
128 100

127 12.9 10.2 15.4

129 10.9 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:03:21 AM

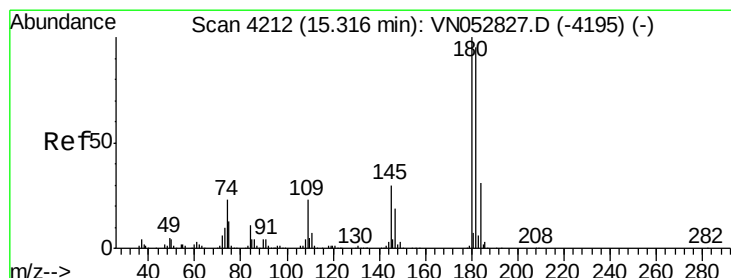
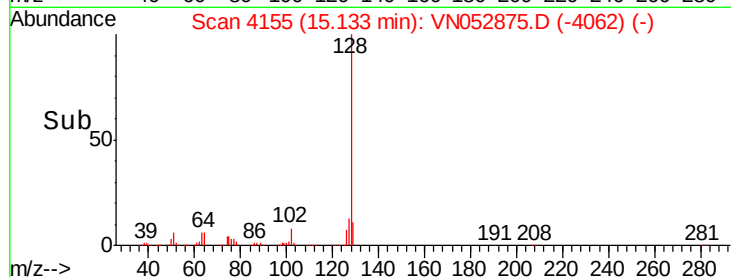
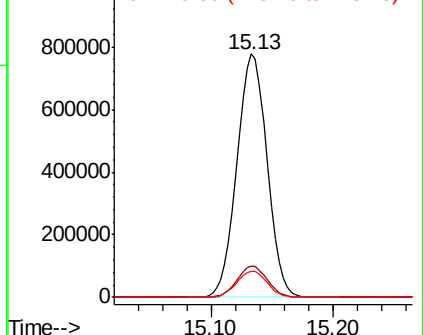


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.047 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052875.D

Acq: 13 Dec 2018 20:01

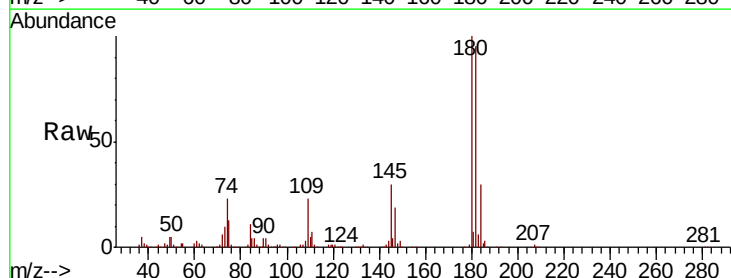
Tgt Ion:180 Resp: 577357

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.7

145 30.3 15.0 45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

